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OM protein - protein search, using sw model
Run on: March 26, 2005, 07:56:55 ; Search time 26.8949 Seconds
(without alignments)
1332.278 Million cell updates/sec

Title: US-09-237-981E-10
Perfect score: 2669
Sequence: 1 MKHLVAWLLVGLSLGVPOF.....WSWYGRITLRSLLGCAEEE 480

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 513545 seqs, 74649064 residues

Total number of hits satisfying chosen parameters: 513545

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents AA:*
1: /cgn2_6/ptodata/1/iaa/5A_COMB.pep:*
2: /cgn2_6/ptodata/1/iaa/5B_COMB.pep:*
3: /cgn2_6/ptodata/1/iaa/6A_COMB.pep:*
4: /cgn2_6/ptodata/1/iaa/6B_COMB.pep:*
5: /cgn2_6/ptodata/1/iaa/PCTUS_COMB.pep:*
6: /cgn2_6/ptodata/1/iaa/backfiles1.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	2669	100.0	480	2	US-08-480-229C-10
2	2669	100.0	480	2	US-08-659-235C-10
3	2519.5	94.4	513	2	US-08-480-229C-14
4	2519.5	94.4	513	2	US-08-659-235C-14
5	2403	90.0	448	4	US-09-949-016-10130
6	1645.5	61.7	321	2	US-08-480-229C-21
7	1645.5	61.7	321	2	US-08-659-235C-21
8	1242	46.5	221	2	US-08-480-229C-29
9	1242	46.5	221	2	US-08-659-235C-29
10	1160.5	43.5	463	2	US-08-162-402B-9
11	1136	42.6	465	2	US-08-162-402B-8
12	1023	38.3	387	2	US-08-162-402B-6
13	933.5	35.0	320	2	US-08-480-229C-20
14	933.5	35.0	320	2	US-08-659-235C-20
15	694	26.0	2183	3	US-08-746-111-5
16	684	25.6	2224	4	US-09-054-272-38
17	675	25.3	2319	1	US-08-212-133A-8
18	675	25.3	2319	1	US-08-474-503-6
19	675	25.3	2319	2	US-08-670-707A-6
20	675	25.3	2319	3	US-09-037-601-6
21	675	25.3	2319	3	US-09-315-179-6
22	675	25.3	2319	4	US-09-523-656-28
23	675	25.3	2319	5	PCT-US94-13200-6
24	660.5	24.7	2304	3	US-09-324-867-4
25	651.5	24.4	2332	1	US-08-276-594A-2
26	648.5	24.3	2351	6	5422260-1
27	648.5	24.3	2351	6	5422260-1

28	647.5	24.3	1438	3	US-09-209-916-1	Sequence 1, Appli
29	647.5	24.3	1457	4	US-09-001-039B-47	Sequence 47, Appl
30	647.5	24.3	1471	1	US-08-683-839B-3	Sequence 3, Appli
31	647.5	24.3	1661	2	US-08-882-083-2	Sequence 2, Appli
32	647.5	24.3	1661	2	US-08-558-107-2	Sequence 2, Appli
33	647.5	24.3	1661	3	US-09-243-539-2	Sequence 2, Appli
34	647.5	24.3	2332	1	US-07-864-004B-4	Sequence 4, Appli
35	647.5	24.3	2332	1	US-08-251-937A-4	Sequence 4, Appli
36	647.5	24.3	2332	1	US-08-212-133A-2	Sequence 2, Appli
37	647.5	24.3	2332	1	US-08-474-503-2	Sequence 2, Appli
38	647.5	24.3	2332	2	US-08-670-707A-2	Sequence 2, Appli
39	647.5	24.3	2332	3	US-09-037-601-2	Sequence 2, Appli
40	647.5	24.3	2332	3	US-09-324-867-3	Sequence 3, Appli
41	647.5	24.3	2332	3	US-09-315-179-2	Sequence 2, Appli
42	647.5	24.3	2332	4	US-09-523-656-2	Sequence 2, Appli
43	647.5	24.3	2332	4	US-09-957-641A-2	Sequence 2, Appli
44	647.5	24.3	2332	5	PCT-US93-03275-4	Sequence 4, Appli
45	647.5	24.3	2332	5	PCT-US94-13200-2	Sequence 2, Appli

ALIGNMENTS

RESULT 1
US-08-480-229C-10
; Sequence 10, Application US/08480229C
; Patent No. 5874562
; GENERAL INFORMATION:
; APPLICANT: Quertermous, Thomas
; APPLICANT: Hogan, Brigid
; APPLICANT: Snodgrass, H. Ralph
; APPLICANT: Zupancic, Thomas J.
; TITLE OF INVENTION: DEVELOPMENTALLY-REGULATED ENDOTHELIAL
; TITLE OF INVENTION: CELL LOCUS-1
; NUMBER OF SEQUENCES: 29
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds LLP
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: United States
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/480,229C
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Poissant, Brian M.
; REGISTRATION NUMBER: 28,462
; REFERENCE/DOCKET NUMBER: 8907-0026-999
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 790-9090
; TELEFAX: (212) 869-8864/9741
; TELEX: 66141 Pennie
; INFORMATION FOR SEQ ID NO: 10:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 480 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-480-229C-10

Query Match. 100.0%; Score 2669; DB 2; Length 480;
Best Local Similarity 100.0%; Pred. No. 1.8e-212;
Matches 480; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MKHLVAWLLVGLSLGVPOFGKGIDICNPNCENGICLSGLADDSFSCCEPGEFAGPNCS 60
|||||

Db 1 MKHLVAWLLVGLSLGVPQFGKGDICNPNPCENGICLSGLADDSFSCECEGFAFPNCS 60
Qy 61 SVVEVASDEEKPTSAAGPCIPNPNCHNGGTCEISEAYRGDTFIGYVCKCPRGNGIHCQHN 120
Db 61 SVVEVASDEEKPTSAAGPCIPNPNCHNGGTCEISEAYRGDTFIGYVCKCPRGNGIHCQHN 120
Qy 121 NECEAEPCRNCGICTDLVANYSCPCGPFMGRCNQYKCSGHLGIEGGIISNOQITASSNH 180
Db 121 NECEAEPCRNCGICTDLVANYSCPCGPFMGRCNQYKCSGHLGIEGGIISNOQITASSNH 180
Qy 181 RALFGLQKWYPYARLNKKGLINAWTAAENDRWPIQINLQKMRVTGVTITQGAKRIGSP 240
Db 181 RALFGLQKWYPYARLNKKGLINAWTAAENDRWPIQINLQKMRVTGVTITQGAKRIGSP 240
Qy 241 EYIKSYKIAYSNDGKTWAMYKVGTEEMVFRGNVDNNTPYANSFTPPPIKAQYVRLYPQI 300
Db 241 EYIKSYKIAYSNDGKTWAMYKVGTEEMVFRGNVDNNTPYANSFTPPPIKAQYVRLYPQI 300
Qy 301 CRRHCTLRMELLGCELSGCSEPLGMKSGHIQDYQITASSVFTLNMDMFTWEPKARLDK 360
Db 301 CRRHCTLRMELLGCELSGCSEPLGMKSGHIQDYQITASSVFTLNMDMFTWEPKARLDK 360
Qy 361 QGKVNAWTSGHNDQSQWLQVDLLVPTKVTGIIITQGAKDFGHVQFVGSYKLAYSNDGEHWM 420
Db 361 QGKVNAWTSGHNDQSQWLQVDLLVPTKVTGIIITQGAKDFGHVQFVGSYKLAYSNDGEHWM 420
Qy 421 VHODEKQKDKVFGQNFNDNTHRKNVIDPPIYARFIRILPWSWYGRITLRSELLGCAEE 480
Db 421 VHODEKQKDKVFGQNFNDNTHRKNVIDPPIYARFIRILPWSWYGRITLRSELLGCAEE 480

RESULT 2
US-08-659-235C-10
; Sequence 10, Application US/08659235C
; Patent No. 5877281
; GENERAL INFORMATION:
; APPLICANT: Quettermous, Thomas
; APPLICANT: Hogan, Brigid
; APPLICANT: Snodgrass, H. Ralph
; APPLICANT: Zupancic, Thomas J.
; TITLE OF INVENTION: DEVELOPMENTALLY-REGULATED ENDOTHELIAL
; TITLE OF INVENTION: CELL LOCUS-1
; NUMBER OF SEQUENCES: 29
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds LLP
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: United States
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/659,235C
; FILING DATE: 05-JUN-1996
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Poissant, Brian M.
; REGISTRATION NUMBER: 28,462
; REFERENCE/DOCKET NUMBER: 8907-0034-999
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 790-9090
; TELEFAX: (212) 869-8864/9741
; TELEX: 66141 Pennie
; INFORMATION FOR SEQ ID NO: 10:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 480 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein

US-08-659-235C-10
Query Match 100.0%; Score 2669; DB 2; Length 480;
Best Local Similarity 100.0%; Pred. No. 1.8e-212;
Matches 480; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 MKHLVAWLLVGLSLGVPQFGKGDICNPNPCENGICLSGLADDSFSCECEGFAFPNCS 60
Db 1 MKHLVAWLLVGLSLGVPQFGKGDICNPNPCENGICLSGLADDSFSCECEGFAFPNCS 60
Qy 61 SVVEVASDEEKPTSAAGPCIPNPNCHNGGTCEISEAYRGDTFIGYVCKCPRGNGIHCQHN 120
Db 61 SVVEVASDEEKPTSAAGPCIPNPNCHNGGTCEISEAYRGDTFIGYVCKCPRGNGIHCQHN 120
Qy 121 NECEAEPCRNCGICTDLVANYSCPCGPFMGRCNQYKCSGHLGIEGGIISNOQITASSNH 180
Db 121 NECEAEPCRNCGICTDLVANYSCPCGPFMGRCNQYKCSGHLGIEGGIISNOQITASSNH 180
Qy 181 RALFGLQKWYPYARLNKKGLINAWTAAENDRWPIQINLQKMRVTGVTITQGAKRIGSP 240
Db 181 RALFGLQKWYPYARLNKKGLINAWTAAENDRWPIQINLQKMRVTGVTITQGAKRIGSP 240
Qy 241 EYIKSYKIAYSNDGKTWAMYKVGTEEMVFRGNVDNNTPYANSFTPPPIKAQYVRLYPQI 300
Db 241 EYIKSYKIAYSNDGKTWAMYKVGTEEMVFRGNVDNNTPYANSFTPPPIKAQYVRLYPQI 300
Qy 301 CRRHCTLRMELLGCELSGCSEPLGMKSGHIQDYQITASSVFTLNMDMFTWEPKARLDK 360
Db 301 CRRHCTLRMELLGCELSGCSEPLGMKSGHIQDYQITASSVFTLNMDMFTWEPKARLDK 360
Qy 361 QGKVNAWTSGHNDQSQWLQVDLLVPTKVTGIIITQGAKDFGHVQFVGSYKLAYSNDGEHWM 420
Db 361 QGKVNAWTSGHNDQSQWLQVDLLVPTKVTGIIITQGAKDFGHVQFVGSYKLAYSNDGEHWM 420
Qy 421 VHODEKQKDKVFGQNFNDNTHRKNVIDPPIYARFIRILPWSWYGRITLRSELLGCAEE 480
Db 421 VHODEKQKDKVFGQNFNDNTHRKNVIDPPIYARFIRILPWSWYGRITLRSELLGCAEE 480

RESULT 3
US-08-480-229C-14
; Sequence 14, Application US/08480229C
; Patent No. 5874562
; GENERAL INFORMATION:
; APPLICANT: Quettermous, Thomas
; APPLICANT: Hogan, Brigid
; APPLICANT: Snodgrass, H. Ralph
; APPLICANT: Zupancic, Thomas J.
; TITLE OF INVENTION: DEVELOPMENTALLY-REGULATED ENDOTHELIAL
; TITLE OF INVENTION: CELL LOCUS-1
; NUMBER OF SEQUENCES: 29
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds LLP
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: United States
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/480,229C
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Poissant, Brian M.
; REGISTRATION NUMBER: 28,462
; REFERENCE/DOCKET NUMBER: 8907-0026-999
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 790-9090

; TELEFAX: (212) 869-8864/9741
 ; TELEX: 66141 Pennie
 ; INFORMATION FOR SEQ ID NO: 14:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 513 amino acids
 ; TYPE: amino acid
 ; STRANDEDNESS: unknown
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: protein
 US-08-480-229C-14

Query Match	94.4%;	Score 2519.5;	DB 2;	Length 513;
Best Local Similarity	94.2%;	Pred. No. 4.6e-200;		
Matches 453; Conservative	9;	Mismatches 18;	Indels 1;	Gaps 1;

QY	1	MKHLVAWLLVGLSLGVPOFGKGDICNPNPCENGIGICLSGLADDSFSCBCEPFGAPNCS	60
Db	33	MKRSVAVWLLVGLSLGVPOFGKGDICDPNPNPCENGIGICLPGLAVGSFSCBCEPDGFTDPNCS	92
QY	61	SVVEVASDEEKPTSGAPCIPNPNCHNGGTCEISEAYRGDTFIGYVCKCBPGFNGIHCQHN	120
Db	93	SVVEVASDEEPTSGAPCTPNPNCHNGGTCEISEAYRGDTFIGYVCKCBPGFNGIHCQHN	152
QY	121	NECEAEPCRNNGICTDLVANYSCECPGEFMGRNCQYKCSGHLGIEGGIISNQOITASSNH	180
Db	153	NECEVEPCNNGICTDLVANYSCECPGEFMGRNCQYKCSGPLGIEGGIISNQOITASSTH	212
QY	181	RALFGLQKWYPYARLNKKGLINAWTAAENDRWP-WIQINLQRMKRVGTGVIITQAKRIGS	239
Db	213	RALFGLQKWYPYARLNKKGLINAWTAAENDRWKRWIQINLQRMKRVGTGVIITQAKRIGS	272
QY	240	PEYIKSYKIASYNDGKTWAMYKVKGTTNEEMVFRGNVDNNTPYANSFTTPIKAQYVRLYPQ	299
Db	273	PEYIKFYKIASYNDGKTWAMYKVKGTTNEDMVFRGNIDNNTPYANSFTTPIKAQYVRLYPQ	332
QY	300	ICRRHCTLRMELLGCELSGCBELGKMSGHIODYQITASSVFRTLNMDMTWEPKARLD	359
Db	333	VCRRHCTLRMELLGCELSGCBELGKMSGHIODYQITASSIFRTLNMDMTWEPKARLD	392
QY	360	KQGVNAWTSGHNDQSQWLQVDLLVPTKVGTGIIITQAKDFGHVQFVGSYKLAYSNDGEHW	419
Db	393	KQGVNAWTSGHNDQSQWLQVDLLVPTKVGTGIIITQAKDFGHVQFVGSYKLAYSNDGEHW	452
QY	420	MVHQDEKQKQKVFQGNFNDNTHRKNVIDPPIYARFIRILPWSWYGRITLRSSELLGCAEE	479
Db	453	TVYQDEKQKQKVFQGNFNDNTHRKNVIDPPIYARHIRILPWSWYGRITLASELLGCTEE	512
QY	480	E 480	
Db	513	E 513	

RESULT 4
US-08-659-235C-14
; Sequence 14, Application US/08659235C
; Patent No. 5877281
; GENERAL INFORMATION:
; APPLICANT: Quettermous, Thomas
; APPLICANT: Hogan, Brigid
; APPLICANT: Snodgrass, H. Ralph
; APPLICANT: Zupancic, Thomas J.
; TITLE OF INVENTION: DEVELOPMENTALLY-REGULATED ENDOTHELIAL
; TITLE OF INVENTION: CELL LOCUS-1
; NUMBER OF SEQUENCES: 29
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds LLP
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: United States
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
;

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; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/659,235C
; FILING DATE: 05-JUN-1996
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Poissant, Brian M.
; REGISTRATION NUMBER: 28,462
; REFERENCE/DOCKET NUMBER: 8907-0034-999
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 790-9090
; TELEFAX: (212) 869-8864/9741
; TELEX: 66141 Pennie
; INFORMATION FOR SEQ ID NO: 14:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 513 amino acids
; TYPE: amino acid
; STRANDEDNESS: unknown
; TOPOLOGY: linear
; MOLECULE TYPE: protein
;
US-08-659-235C-14

```

Query Match 94.4%; Score 2519.5; DB 2; Length 513;
Best Local Similarity 94.2%; Pred. No. 4.6e-200;
Matches 453; Conservative 9; Mismatches 18; Indels 1; Gaps 1;

QY	1	MKHLVAWLLVGLSLGVQFGKGDICNPNPCENGIGICLSGLADDSFSCCECPGFGAGPNC	60
Db	33	MKRSVAVWLLVGLSLGVQFGKGDICDPNPCENGIGICLPLGAVGSFSCCECPDGFDPNC	92
QY	61	SVVEVASDEEKPTSA	120
Db	93	SVVEVASDEEEPTSA	152
QY	121	NECEAEPCRN	180
Db	153	NECEVEPCN	212
QY	181	RALFGLQKW	239
Db	213	RALFGLQKW	272
QY	240	PEYIKSYK	299
Db	273	PEYIKFYK	332
QY	300	ICRRHCTLR	359
Db	333	VCRRHCTLR	392
QY	360	KQGVNAWTS	419
Db	393	KQGVNAWTS	452
QY	420	MVHQDEKOR	479
Db	453	TVYQDEKOR	512
QY	480	E	480
Db	513	E	513

RESULT 5
US-09-949-016-10130
; Sequence 10130, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN K
; TITLE OF INVENTION: WITH HUMAN DISEAS

Wed Mar 30 17:27:06 2005

FILE REFERENCE: CL001307
CURRENT APPLICATION NUMBER: US/09/949,016
CURRENT FILING DATE: 2000-04-14
PRIOR APPLICATION NUMBER: 60/241,755
PRIOR FILING DATE: 2000-10-20
PRIOR APPLICATION NUMBER: 60/237,768
PRIOR FILING DATE: 2000-10-03
PRIOR APPLICATION NUMBER: 60/231,498
PRIOR FILING DATE: 2000-09-08
NUMBER OF SEQ ID NOS: 207012
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 10130
LENGTH: 448
TYPE: PRT
ORGANISM: Human
US-09-949-016-10130

Query Match 90.0%; Score 2403; DB 4; Length 448;
Best Local Similarity 93.7%; Pred. No. 1.7e-190;
Matches 429; Conservative 8; Mismatches 11; Indels 10; Gaps 1;

QY 23 GDICNPENCGGICLSGLADDSFSCCECPGFPAGPNCSSVVEVASDEEKPTSAAGPCIPNP 82
Db 1 GDICDPNCPENCGGICLPGLADGFSFSCCECPDGFTDPNCSSVVEV-----GPCTPNP 50

QY 83 CHNGGTCEISEAYRGDTFIFYVCKCPRGFNGHCOHNINECEAEPCRNCGGICTDLVANY 142
Db 51 CHNGGTCEISEAYRGDTFIFYVCKCPRGFNGHCOHNINECEVEPCNKGICTDLVANY 110

QY 143 CECPGFEMGRNCQKCSGHLGIEGGIISNQITASSNHRALFGLQKWYPYYARLNKKGLI 202
Db 111 CECPGFEMGRNCQKCSGPLGIEGGIISNQITASSNHRALFGLQKWYPYYARLNKKGLI 170

QY 203 NAWTAAENDRWPWQINLQKMRVTGVTITQAKRIGSPYIKSYKIAYSNDGKTWAMYKV 262
Db 171 NAWTAAENDRWPWQINLQKMRVTGVTITQAKRIGSPYIKSYKIAYSNDGKTWAMYKV 230

QY 263 KGTNEEMVFRGNVDNNTPYANSFTPIKAQYVRLYPQICRRHCTLRMELLGCELSGCSEP 322
Db 231 KGTNEDMVRGNIDNNTPYANSFTPIKAQYVRLYPQVCRHCTLRMELLGCELSGCSEP 290

QY 323 LGKMSGHIQDYQITASSVFRITLNMDFMTWEPKARLDKQKVNAWTSGHNDQSQWLQVDL 382
Db 291 LGKMSGHIQDYQITASSIFRITLNMDFMTWEPKARLDKQKVNAWTSGHNDQSQWLQVDL 350

QY 383 LVPTKVTGIIITQAKDFGHQVFGSYKLAYSNDGHEHMMVHQDEKQKDKVFGQNFNDTH 442
Db 351 LVPTKVTGIIITQAKDFGHQVFGSYKLAYSNDGHEHMTVYQDEKQKDKVFGQNFNDTH 410

QY 443 RKNVIDPPIYARFIRILPWSWYGRITLRSSELLGCAEE 480
Db 411 RKNVIDPPIYARHILPWSWYGRITLRSSELLGCTEE 448

RESULT 6
US-08-480-229C-21
Sequence 21, Application US/08480229C
Patent No. 5874562
GENERAL INFORMATION:
APPLICANT: Quertermous, Thomas
APPLICANT: Hogan, Brigid
APPLICANT: Snodgrass, H. Ralph
APPLICANT: Zupancic, Thomas J.
TITLE OF INVENTION: DEVELOPMENTALLY-REGULATED ENDOTHELIAL
TITLE OF INVENTION: CELL LOCUS-1
NUMBER OF SEQUENCES: 29
CORRESPONDENCE ADDRESS:
ADDRESSEE: Pennie & Edmonds LLP
STREET: 1155 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: United States
ZIP: 10036-2711

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/480,229C
FILING DATE: 07-JUN-1995
CLASSIFICATION: 536
ATTORNEY/AGENT INFORMATION:
NAME: Poissant, Brian M.
REGISTRATION NUMBER: 28,462
REFERENCE/DOCKET NUMBER: 8907-0026-999
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 790-9090
TELEFAX: (212) 869-8864/9741
TELEX: 66141 Pennie
INFORMATION FOR SEQ ID NO: 21:
SEQUENCE CHARACTERISTICS:
LENGTH: 321 amino acids
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: unknown
MOLECULE TYPE: protein
US-08-480-229C-21

Query Match 61.7%; Score 1645.5; DB 2; Length 321;
Best Local Similarity 95.0%; Pred. No. 4.6e-128;
Matches 304; Conservative 4; Mismatches 11; Indels 1; Gaps 1;

QY 158 CSGHLGIEGGIISNQITASSNHRALFGLQKWYPYYARLNKKGLINAWTAAENDRW-PWI 216
Db 1 CSGPLGIEGGIISNQITASSNHRALFGLQKWYPYYARLNKKGLINAWTAAENDRWRI 60

QY 217 QINLQKMRVTGVTITQAKRIGSPYIKSYKIAYSNDGKTWAMYKVKGTEEMVFRGNVD 276
Db 61 QINLQKMRVTGVTITQAKRIGSPYIKFYKIAYSNDGKTWAMYKVKGTEEMVFRGNID 120

QY 277 NNTPYANSFTPIKAQYVRLYPQICRRHCTLRMELLGCELSGCSEPLGKMSGHIQDYQIT 336
Db 121 NNTPYANSFTPIKAQYVRLYPQVCRHCTLRMELLGCELSGCSEPLGKMSGHIQDYQIT 180

QY 337 ASSVFRITLNMDFMTWEPKARLDKQKVNAWTSGHNDQSQWLQVLLVPTKVTGIIITQGA 396
Db 181 ASSIFRITLNMDFMTWEPKARLDKQKVNAWTSGHNDQSQWLQVLLVPTKVTGIIITQGA 240

QY 397 KDFGHQVFGSYKLAYSNDGHEHMMVHQDEKQKDKVFGQNFNDTHRKNVIDPPIYARFI 456
Db 241 KDXGHVQVFGSYKLAYSNDGHEHMTVYQDEKQKDKVFGQNFNDTHRKNVIDPPIYARHI 300

QY 457 RILPWSWYGRITLRSSELLGC 476
Db 301 RILPWSWYGRITLASELLGC 320

RESULT 7
US-08-659-235C-21
Sequence 21, Application US/08659235C
Patent No. 5877281
GENERAL INFORMATION:
APPLICANT: Quertermous, Thomas
APPLICANT: Hogan, Brigid
APPLICANT: Snodgrass, H. Ralph
APPLICANT: Zupancic, Thomas J.
TITLE OF INVENTION: DEVELOPMENTALLY-REGULATED ENDOTHELIAL
TITLE OF INVENTION: CELL LOCUS-1
NUMBER OF SEQUENCES: 29
CORRESPONDENCE ADDRESS:
ADDRESSEE: Pennie & Edmonds LLP
STREET: 1155 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: United States

ZIP: 10036-2711
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/659,235C
FILING DATE: 05-JUN-1996
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Poissant, Brian M.
REGISTRATION NUMBER: 28,462
REFERENCE/DOCKET NUMBER: 8907-0034-999
TELEPHONE: (212) 790-9090
TELEFAX: (212) 869-8864/9741
TELEX: 66141 Pennie
INFORMATION FOR SEQ ID NO: 21:
SEQUENCE CHARACTERISTICS:
LENGTH: 321 amino acids
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: unknown
MOLECULE TYPE: protein
US-08-659-235C-21

Query Match 61.7%; Score 1645.5; DB 2; Length 321;
Best Local Similarity 95.0%; Pred. No. 4.6e-128;
Matches 304; Conservative 4; Mismatches 11; Indels 1; Gaps 1;

QY 158 CSCHLGGIEGIIISNQITASSNHRALFGLQKWYPYARLNKKGLINAWTAANDRW-PWI 216
Db 1 CSGLGIEGIIISNQITASSSTRALFGLQKWYPYARLNKKGLINAWTAANDRWNRWI 60
QY 217 QINLQKMRVTGVTITQAKRIGSPYIKIAYSNDGKTWAMYKVGKTNEEMVFRGNVD 276
Db 61 QINLQKMRVTGVTITQAKRIGSPYIKIAYSNDGKTWAMYKVGKTNEEDMVFRGNID 120
QY 277 NNTPYANSFTPIKAQYVRLYPQICRRHCTLRMELLGCELSGCSEPLGKMSGHIQDYQIT 336
Db 121 NNTPYANSFTPIKAQYVRLYPQVRRHCTLRMELLGCELSGCSEPLGKMSGHIQDYQIT 180
QY 337 ASSVFTLNMDFTWEPKARLDKQGVNAWTSQHNDQSOWLQVLLVPTKVTGIITQGA 396
Db 181 ASSIFRTLNMDFWEPKARLDKQGVNAWTSQHNDQSOWLQVLLVPTKVTGIITQGA 240
QY 397 KDFGHVQVGSYKLAYSNDGEHWMVHDEKQKDKVFOGNFNDTHRKNVIDPPIYARFI 456
Db 241 KDXGHVQVGSYKLAYSNDGEHWTXQDEKQKDKVXQGNFNDTHRKNVIDPPIYARHI 300
QY 457 RILPWSWYGRITLRSELLGC 476
Db 301 RILPWSWYGRITLASELLGC 320

RESULT 8
US-08-480-229C-29
Sequence 29, Application US/08480229C
Patent No. 5874562
GENERAL INFORMATION:
APPLICANT: Quatermous, Thomas
APPLICANT: Hogan, Brigid
APPLICANT: Snodgrass, H. Ralph
APPLICANT: Zupancic, Thomas J.
TITLE OF INVENTION: DEVELOPMENTALLY-REGULATED ENDOTHELIAL
NUMBER OF SEQUENCES: 29
CORRESPONDENCE ADDRESS:
ADDRESSEE: Pennie & Edmonds LLP
STREET: 1155 Avenue of the Americas
CITY: New York
STATE: New York

COUNTRY: United States
ZIP: 10036-2711
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/480,229C
FILING DATE: 07-JUN-1995
CLASSIFICATION: 536
ATTORNEY/AGENT INFORMATION:
NAME: Poissant, Brian M.
REGISTRATION NUMBER: 28,462
REFERENCE/DOCKET NUMBER: 8907-0026-999
TELEPHONE: (212) 790-9090
TELEFAX: (212) 869-8864/9741
TELEX: 66141 Pennie
INFORMATION FOR SEQ ID NO: 29:
SEQUENCE CHARACTERISTICS:
LENGTH: 221 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
FRAGMENT TYPE: internal
US-08-480-229C-29

Query Match 46.5%; Score 1242; DB 2; Length 221;
Best Local Similarity 98.2%; Pred. No. 6.5e-95;
Matches 216; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 1 MKHLVAALLVGLSLGVPQFGKGDICNPNCENGIGICLSGLADDSFCECPEGFAGPNCS 60
Db 1 MKHLVAALLVGLSLGVPQFGKGDICNPNCENGIGICLSGLADDSFCECPEGFAGPNCS 60
QY 61 SVVEVASDEEKPTSAGPCIPNPNCHNGTCEISEAYRGDTFIGYVCKPRGFNGIHCQHN 120
Db 61 SVVEVASDEEKPTSAGPCIPNPNCHNGTCEISEAYRGDTFIGYVCKPRGFNGIHCQHN 120
QY 121 NECEAEPCRNCGICTDLVANYSCECPGFMRNCOYKCSGHLGIEGIIISNQITASSNH 180
Db 121 NECEAEPCRNCGICTDLVANYSCECPGFMRNCOYKCSGHLGIEGIIISNQITASSNH 180
QY 181 RALFGLQKWYPYARLNKKGLINAWTAANDRWPIQINL 220
Db 181 RALFGLQKWYPYARLNKKGLINAWTAANDRWPIQTV 220

RESULT 9
US-08-659-235C-29
Sequence 29, Application US/08659235C
Patent No. 5877281
GENERAL INFORMATION:
APPLICANT: Quatermous, Thomas
APPLICANT: Hogan, Brigid
APPLICANT: Snodgrass, H. Ralph
APPLICANT: Zupancic, Thomas J.
TITLE OF INVENTION: DEVELOPMENTALLY-REGULATED ENDOTHELIAL
NUMBER OF SEQUENCES: 29
CORRESPONDENCE ADDRESS:
ADDRESSEE: Pennie & Edmonds LLP
STREET: 1155 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: United States
ZIP: 10036-2711
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS

; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSEQ for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/162,402B
; FILING DATE: 03-DEC-1993
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Amzel, Viviana
; REGISTRATION NUMBER: 30,930
; REFERENCE/DOCKET NUMBER: P66 38215
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 213-622-7700
; TELEFAX: 213-489-4210
; TELEX:
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 465 amino acids
; TYPE: amino acid
; STRANDEDNESS: unknown
; TOPOLOGY: unknown
; MOLECULE TYPE: peptide
US-08-162-402B-8

Query Match 42.6%; Score 1136; DB 2; Length 465;
Best Local Similarity 47.8%; Pred. No. 9.8e-86;
Matches 228; Conservative 64; Mismatches 155; Indels 30; Gaps 8;

QY	4	LVAALLVGLSLGVPGKGDICNPNPCENGIGCLSLGLADDSFSCPCPGFAGPNCSSVV	63
Db	15	LCAPSLVALD-----DFCDSSLCLNGGTCLTG-QDNDIYCLCPGFTGLVCNE--	62
QY	64	EVASDEEKPTSGAGCIPNPNCHNGGTC-EISEAYRGDTFIGYVCKCPRGFNGIHCQHNINE	122
Db	63	-----TERGICSKNPNCHNGGLCEEISQEVRGDVFPSTCTCLKGAGNHCHETETNY	113
QY	123	CEAEPCRNNGGICTDLVANYSCPCGEP--MGRNCQYKCSGHLGIEGGIISNQOITASSNH	180
Db	114	YNLD---GEYMFTTAVPNTAVPTPAPTPDLSNNLASKCPEPLGMENGNANSQIAASSVR	170
QY	181	RALFGLQKWYPYARLNKKGLINAWTAAENDRWPIQINLQKMRVTGVTQGAKRIGSP	240
Db	171	VTFLGLQHWVPELARLNRAGMVNAWTPSSNDNDNPWIQVNLRRMWVTGVVTQGASRLASH	230
QY	241	EYIKSYKAIYNSDNGKTW-AMYKVKGTMNEEMVFRGNVDNNTPYANSFTPPIKAQYVRLYPQ	299
Db	231	EYLKAFKVAYSLNGHEFDIFIHDVKKHKEFV--GNWNKNAVHVNLFETPVEAQYVRLYPT	288
QY	300	ICRRHCTLRMELGELSGCSEPLGKMSGHIQDYQITASSVFRTLNMDMFTWEPRKARLD	359
Db	289	SCHTACTLRPELLGCELANGCANPLGLKNNISIPDKQITASSSYKTWGLHLFSWNPYSARLD	348
QY	360	KQGVNAWTSGHNDQSQWLQVDLLVPTKVTGIITQGAKEFGHVQFVGSYKLAYSNDGEHW	419
Db	349	KQGNFNAWVAGSYGNDQWLQVDLGSSEKVTGIITQAGRNFGSVQFVASYKVAYSNDSANW	408
QY	420	MVHODEKQKDKVFCQGNFDNDTHRKNVIDPPIYARFIRILPWSWYGRITLRSSELLGC	476
Db	409	TEYQDPRTGSSKIFPGNWDNHSKKNLFFETPILARYVRLPVAWHNRILALRLELLGC	465

RESULT 12
US-08-162-402B-6
; Sequence 6, Application US/08162402B
; Patent No. 5972337
; GENERAL INFORMATION:
; APPLICANT: CERIANI, ROBERTO L.
; APPLICANT: PETERSON, JERRY A.

; APPLICANT: LAROCCA, DAVID J.
; TITLE OF INVENTION: 46 KDALTON HUMAN MILK FAT
; NUMBER OF SEQUENCES: 29
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pretty, Schroeder & Poplawski
; STREET: 444 South Flower St., 19th Floor
; CITY: Los Angeles
; STATE: CA
; COUNTRY: USA
; ZIP: 90071
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSEQ for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/162,402B
; FILING DATE: 03-DEC-1993
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Amzel, Viviana
; REGISTRATION NUMBER: 30,930
; REFERENCE/DOCKET NUMBER: P66 38215
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 213-622-7700
; TELEFAX: 213-489-4210
; TELEX:
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 387 amino acids
; TYPE: amino acid
; STRANDEDNESS: unknown
; TOPOLOGY: unknown
; MOLECULE TYPE: peptide
US-08-162-402B-6

Query Match 38.3%; Score 1023; DB 2; Length 387;
Best Local Similarity 48.9%; Pred. No. 1.7e-76;
Matches 196; Conservative 55; Mismatches 108; Indels 42; Gaps 4;

QY	78	CIPNPNCHNGGTC-EISEAYRGDTFIGYVCKCPRGFNGIHCQHNINECEABPCRNNGGICTD	136
Db	27	CSKNPNCHNGGLCEEISQEVRGDVFPSTCTCLKGAGNH-----	65
QY	137	LVANYSCPCGPEFMGRNCQYKCSGHLGIEGGIISNQOITASSNHRALFGLQKWYPYARL	196
Db	66	-----CETKCVPEPLGMENGNANSQIAASSVRVTFLGLQHWVPELARL	108
QY	197	NKKGLINAWTAAENDRWPIQINLQKMRVTGVTQGAKRIGSPYIKSYKAIYNSDNGKT	256
Db	109	NRAGMVNAWTPSSNDNDNPWIQVNLRRMWVTGVVTQGASRLASHEYLKAFKVAYSLNGHE	168
QY	257	W-AMYKVKGTMNEEMVFRGNVDNNTPYANSFTPPIKAQYVRLYPQICRRHCTLRMELLGCE	315
Db	169	FDIFIHDVKKHKEFV--GNWNKNAVHVNLFETPVEAQYVRLYPTSCHTACTLRPELLGCE	226
QY	316	LSGCSEPLGKMSGHIQDYQITASSVFRTLNMDMFTWEPRKARLDKQGVNAWTSGHNDQS	375
Db	227	LNGCANPLGLKNNISIPDKQITASSSYKTWGLHLFSWNPYSARLDKQGNFNAWVAGSYGND	286
QY	376	OWLQVDLLVPTKVTGIITQGAKEFGHVQFVGSYKLAYSNDGEHWMVHODEKQKDKVFCQ	435
Db	287	OWLQVDLGSSEKVTGIITQAGRNFGSVQFVASYKVAYSNDSANWTEYQDPRTGSSKIFPG	346
QY	436	NFDNDTHRKNVIDPPIYARFIRILPWSWYGRITLRSSELLGC	476
Db	347	NWDNHSKKNLFFETPILARYVRLPVAWHNRILALRLELLGC	387

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GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: March 26, 2005, 08:04:50 ; Search time 63.5019 Seconds
(without alignments)
2502.733 Million cell updates/sec

Title: US-09-237-981E-10
Perfect score: 2669
Sequence: 1 MKHLVAAWLLVGLSLGVPQF.....WSWYGRITLRSLLGCAEEE 480

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 1407402 seqs, 331100923 residues

Total number of hits satisfying chosen parameters: 1407402

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications AA:*
1: /cgn2_6/ptodata/1/pubpaa/US07_PUBCOMB.pep:*
2: /cgn2_6/ptodata/1/pubpaa/PCT_NEW_PUB.pep:*
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4: /cgn2_6/ptodata/1/pubpaa/US06_PUBCOMB.pep:*
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11: /cgn2_6/ptodata/1/pubpaa/US09C_PUBCOMB.pep:*
12: /cgn2_6/ptodata/1/pubpaa/US09_NEW_PUB.pep:*
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15: /cgn2_6/ptodata/1/pubpaa/US10C_PUBCOMB.pep:*
16: /cgn2_6/ptodata/1/pubpaa/US10D_PUBCOMB.pep:*
17: /cgn2_6/ptodata/1/pubpaa/US10_NEW_PUB.pep:*
18: /cgn2_6/ptodata/1/pubpaa/US11_NEW_PUB.pep:*
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20: /cgn2_6/ptodata/1/pubpaa/US60_PUBCOMB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	2559	95.9	480	14	US-10-177-293-122
2	1148	43.0	434	16	US-10-485-360-10
3	1025	38.4	379	15	US-10-108-260A-3405
4	1024	38.4	387	14	US-10-190-593-4
5	1023	38.3	395	16	US-10-485-360-7
6	1023	38.3	612	16	US-10-485-360-30
7	960.5	36.0	498	16	US-10-485-360-27
8	922	34.5	480	16	US-10-485-360-26
9	914.5	34.3	343	14	US-10-190-593-2
10	836	31.3	335	16	US-10-408-765A-1474
11	836	31.3	343	16	US-10-485-360-8
12	689	25.8	2196	15	US-10-360-101-259
13	689	25.8	2224	14	US-10-115-563-14

14	689	25.8	2224	14	US-10-172-712-31	Sequence 31, Appl
15	684	25.6	2224	16	US-10-741-601-542	Sequence 542, App
16	684	25.6	2224	17	US-10-741-600-1561	Sequence 1561, Ap
17	675	25.3	2319	14	US-10-187-319-6	GENERAL INFORMA
18	675	25.3	2319	14	US-10-131-510A-6	Sequence 6, Appli
19	650.5	24.4	1459	15	US-10-239-498A-4	Sequence 4, Appli
20	650.5	24.4	1459	15	US-10-239-498A-15	Sequence 15, Appl
21	647.5	24.3	1438	13	US-10-006-091-1	Sequence 1, Appli
22	647.5	24.3	1438	13	US-10-047-257-1	Sequence 1, Appli
23	647.5	24.3	1438	14	US-10-225-900-1	Sequence 1, Appli
24	647.5	24.3	1459	15	US-10-239-498A-13	Sequence 13, Appl
25	647.5	24.3	1471	13	US-10-095-718-2	Sequence 2, Appli
26	647.5	24.3	1471	15	US-10-681-970-2	Sequence 2, Appli
27	647.5	24.3	2332	9	US-09-957-641-2	Sequence 2, Appli
28	647.5	24.3	2332	14	US-10-187-319-2	Sequence 2, Appli
29	647.5	24.3	2332	14	US-10-131-510A-2	Sequence 2, Appli
30	647.5	24.3	2332	15	US-10-445-235-2	Sequence 2, Appli
31	647.5	24.3	2332	15	US-10-360-101-229	Sequence 229, App
32	647.5	24.3	2332	15	US-10-239-498A-2	Sequence 2, Appli
33	647.5	24.3	2332	16	US-10-466-998A-1	Sequence 1, Appli
34	647.5	24.3	2332	16	US-10-721-997A-34	Sequence 34, Appl
35	647.5	24.3	2351	14	US-10-132-829-4	Sequence 4, Appli
36	647.5	24.3	2351	14	US-10-172-712-27	Sequence 27, Appl
37	647.5	24.3	2351	14	US-10-133-907-4	Sequence 4, Appli
38	647.5	24.3	2351	15	US-10-411-037-30	Sequence 30, Appl
39	647.5	24.3	2351	15	US-10-411-026-30	Sequence 30, Appl
40	647.5	24.3	2351	15	US-10-410-962-30	Sequence 30, Appl
41	647.5	24.3	2351	15	US-10-411-049-30	Sequence 30, Appl
42	647.5	24.3	2351	16	US-10-410-930-30	Sequence 30, Appl
43	647.5	24.3	2351	16	US-10-410-997-30	Sequence 30, Appl
44	647.5	24.3	2351	16	US-10-411-012-30	Sequence 30, Appl
45	647.5	24.3	2351	16	US-10-287-994-30	Sequence 30, Appl

ALIGNMENTS

RESULT 1

US-10-177-293-122
; Sequence 122, Application US/10177293
; Publication No. US20030124128A1
; GENERAL INFORMATION:
; APPLICANT: Lillie, James
; APPLICANT: Glatt, Karen
; APPLICANT: Zhao, Xumei
; APPLICANT: Gannavarpu, Manjula
; APPLICANT: Kamatkar, Shubhangi
; APPLICANT: Mertens, Maureen
; APPLICANT: Myer, Vic
; APPLICANT: Wang, Youzhen
; APPLICANT: Xu, Yongyao
; APPLICANT: Hoersch, Sebastian
; APPLICANT: Monahan, John
; APPLICANT: Meyers, Rachel E.
; APPLICANT: Bast Jr., Robert C.
; APPLICANT: Hortobagyi, Gabriel N.
; APPLICANT: Pusztai, Lajos
; APPLICANT: Meric, Funda
; APPLICANT: Sahin, Aysegul
; APPLICANT: Mills, Gordon B.
; TITLE OF INVENTION: COMPOSITIONS, KITS, AND METHODS FOR IDENTIFICATION, ASSESSMENT, PREVENTION, AND THERAPY OF BREAST CANCER
; FILE REFERENCE: MRI-038
; CURRENT APPLICATION NUMBER: US/10/177,293
; CURRENT FILING DATE: 2002-06-21
; PRIOR APPLICATION NUMBER: US 60/299,887
; PRIOR FILING DATE: 2001-06-21
; PRIOR APPLICATION NUMBER: US 60/301,572
; PRIOR FILING DATE: 2001-06-27
; PRIOR APPLICATION NUMBER: US 60/306,501
; PRIOR FILING DATE: 2001-07-18
; PRIOR APPLICATION NUMBER: US 60/325,002
; PRIOR FILING DATE: 2001-09-25


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; PRIOR APPLICATION NUMBER: US 60/362,585
; PRIOR FILING DATE: 2002-03-05
; PRIOR APPLICATION NUMBER: US 60/xxx,xxx
; PRIOR FILING DATE: 2002-05-14
; NUMBER OF SEQ ID NOS: 506
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 122
; LENGTH: 480
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-177-293-122

Query Match      95.9%; Score 2559; DB 14; Length 480;
Best Local Similarity 95.2%; Pred. No. 1.4e-214;
Matches 457; Conservative 9; Mismatches 14; Indels 0; Gaps 0;

QY 1 MKHLVAALLVGLSLGVLPQFGKGDICNPNPCENGIGICLSGLADDSFSCCEPFGAGPNC 60
Db 1 MKRSVAVLLVGLSLGVLPQFGKGDICDPNCPENGIGICLPGLADGSFSCCEPDTDPNCS 60

QY 61 SVVEVASDEEKPTSAAGCIPNPNCHNGGTCTSEAYRGDTFIGYVCKPRGFNGIHCQHNI 120
Db 61 SVVEVASDEEPTSAAGCTPNPNCHNGGTCTSEAYRGDTFIGYVCKPRGFNGIHCQHNI 120

QY 121 NECEAEPCRNNGGICTDLVANYSCPCGFEFMRNCQYKCSGHLGIEGGIISNQITASSNH 180
Db 121 NECEVEPCNKGIGICTDLVANYSCPCGFEFMRNCQYKCSGPLGIEGGIISNQITASSTH 180

QY 181 RALFGLQKWYPYARLNKKGLINAWTAAENDRWPIQINLQRMKRVITGVITQAKRIGSP 240
Db 181 RALFGLQKWYPYARLNKKGLINAWTAAENDRWPIQINLQRMKRVITGVITQAKRIGSP 240

QY 241 EYIKSYKIAYSNDGKTWAMYKVKGTNEEMVFRGNVDNNTPYANSFTPIKAQYVRLYPQI 300
Db 241 EYIKSYKIAYSNDGKTWAMYKVKGTNEDMVRGNIDNNTPYANSFTPIKAQYVRLYPQV 300

QY 301 CRRHCTLRMELLCGSCSEPLGKMSGHIQDYQITASSVFRTLNMDFTWEPKARLDK 360
Db 301 CRRHCTLRMELLCGSCSEPLGKMSGHIQDYQITASSIFRTLNMDFTWEPKARLDK 360

QY 361 QGKVAWNTSGHNDQSOWLQVLLVPTKVTGIIITQGAQDFGHVQFVGSYKLAYSNDGEHWM 420
Db 361 QGKVAWNTSGHNDQSOWLQVLLVPTKVTGIIITQGAQDFGHVQFVGSYKLAYSNDGEHWT 420

QY 421 VHQDEKQKDKVFOGPNFNDTHRKNVIDPPIYARFIRILPWSWYGRITLRSSELLGCAEEE 480
Db 421 VYQDEKQKDKVFOGPNFNDTHRKNVIDPPIYARHILPWSWYGRITLRSSELLGCTEEE 480

RESULT 2
US-10-485-360-10
; Sequence 10, Application US/10485360
; Publication No. US20040197314A1
; GENERAL INFORMATION:
; APPLICANT: Delcayre, Alain
; APPLICANT: Le Pecq, Jean-Bernard
; TITLE OF INVENTION: Methods and Compounds for the Targeting of Protein to Exosomes
; FILE REFERENCE: B0094WO
; CURRENT APPLICATION NUMBER: US/10/485,360
; CURRENT FILING DATE: 2004-01-30
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 10
; LENGTH: 434
; TYPE: PRT
; ORGANISM: Mus sp.
US-10-485-360-10

Query Match      43.0%; Score 1148; DB 16; Length 434;
Best Local Similarity 47.6%; Pred. No. 1.7e-91;
Matches 217; Conservative 69; Mismatches 114; Indels 56; Gaps 7;

QY 23 GDICNPNPCENGIGICLSGLADDSFSCCEPFGAGPNCSSVVEVASDEEKPSTAGPCIPNP 82
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Db 25 GDFCDSSLCLNGGTCLTG-QDNDIYCLCPGFTGLVCNE-----TERGPCSPNP 72
QY 83 CHNGGTCEIS-EAYRGDTFIGYVCKPRGFNGIHCQHINECEAEPCRNNGGICTDLVANY 141
Db 73 CYNDAKCLVTLDTQRGDIFTEYICQCPVGYSIHCETG----- 110
QY 142 SCECPGEFMRNCQYKCSGHLGIEGGIISNQITASSNHRALFGLQKWYPYARLNKKGL 201
Db 111 -----CSTQLGMEGGAIDSQISASIVYMGMGLQRWGPPELARLYRTGI 154
QY 202 INAWTAAENDRWPIQINLQRMKRVITGVITQGAKRIGSPYIKSYKIAYSNDGKTWAMYK 261
Db 155 VNAWHASNYDSKPWIOVNLRLKRVSGVMTQGASRAGRAEYLTFFKVAYSLDGRKFEFIQ 214
QY 262 -VKGTEEMVFRGNVDNNTPYANSFTPIKAQYVRLYPQICRRHCTLRMELLCGCELSGCS 320
Db 215 DESGDK--FLGNLDNNSLKNMFNPTLEAQYIRLYPVSCHRGCTLRFELLCGCELGCL 272
QY 321 EPLGKMSGHIQDYQITASSVFRTLNMDFTWEPKARLDKQKVAWNTSGHNDQSQWLQV 380
Db 273 EPLGLKNNTIPDSQMSASSYKTNLRAFGWYPHLGRLDNQKINAWTAQNSAKEWLQV 332
QY 381 DLLVPTKVTGIIITQGAQDFGHVQFVGSYKLAYSNDGEHWMVHQDEKQKDKVFOGPNFND 440
Db 333 DLGTQRQVTGIIITQGAQDFGHVQFVGSYKVAHSDDGVOVTVY--EEQGSSKVFQGNLDNN 390
QY 441 THRKNVIDPPIYARFIRILPWSWYGRITLRSSELLGC 476
Db 391 SHKKNIFEKPFMARYVRVLPVSWHNRLTLRLELLGC 426

RESULT 3
US-10-108-260A-3405
; Sequence 3405, Application US/10108260A
; Publication No. US20040005560A1
; GENERAL INFORMATION:
; APPLICANT: HELIX RESEARCH INSTITUTE
; TITLE OF INVENTION: No. US20040005560A1el full length cdna
; FILE REFERENCE: H1-A0106
; CURRENT APPLICATION NUMBER: US/10/108,260A
; CURRENT FILING DATE: 2002-03-27
; NUMBER OF SEQ ID NOS: 5458
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3405
; LENGTH: 379
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-108-260A-3405

Query Match      38.4%; Score 1025; DB 15; Length 379;
Best Local Similarity 48.9%; Pred. No. 7.9e-81;
Matches 196; Conservative 56; Mismatches 107; Indels 42; Gaps 4;

QY 78 CIPNPNCHNGGTC-EISEAYRGDTFIGYVCKPRGFNGIHCQHINECEAEPCRNNGGICTD 136
Db 19 CSKNPCHNGGLCEEISQEVRGDVFPSTYCTCLKGYAGNH----- 57
QY 137 LVANYSCECPGEFMRNCQYKCSGHLGIEGGIISNQITASSNHRALFGLQKWYPYARL 196
Db 58 -----CETKCVPEPLGMENGNANSQIAASSVRVTFGLQHWVPELARL 100
QY 197 NKKGLINAWTAAENDRWPIQINLQRMKRVITGVITQGAKRIGSPYIKSYKIAYSNDGKT 256
Db 101 NRAGMVNAWNTSSSNDNPNWIOVNLRLRMVVTGVVITQASRLASHEYLKAFKVAYSLNHGE 160
QY 257 W-AMYKVKGTNEEMVFRGNVDNNTPYANSFTPIKAQYVRLYPQICRRHCTLRMELLCGE 315
Db 161 FDFIHDVNNKKHKEFV--GNWNKNAVHVNLFETPVEAQYVRLYPTSTCTACTLRFELLGCE 218
QY 316 LSGCSEPLGKMSGHIQDYQITASSVFRTLNMDFTWEPKARLDKQKVAWNTSGHNDQS 375
Db 219 LNGCANPLGLKNNSIPDKQITASSSYKTWGLHLFSWNPFSYARLDKQGNFNAWVAGSYGND 278
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Db 66 -----CETKCVPLGMNGNIANSQIAASSVRVTFGLQHWVPRL 108
QY 197 NKKGLINAWTAENDRWPWQINLQKMRVTGVIITQGAKRIGSPYIKSYKIAYSNDGKT 256
Db 109 NRAGMVNAWTPSSNDNPWQVNLRRMWVTGVVTTQGASRLASHEYLKAFKVAYSLNGHE 168
QY 257 W-AMYKVGTEEMVFRGNVDNNTPYANSFTPPIKAQYVRLYPQICRRHCTLRMELLGCE 315
Db 169 FDFIHDVKNKHKEFV--GNWNKNAVHVNLFETPVEAQYVRLYPTTSCHTACTLRFELLGCE 226
QY 316 LSGCSEPLGMKSGHIQDYQITASSVFRTLNMDMFTWEPKARLDKQKVNAWTSGHNDQS 375
Db 227 LNCANPLGLKNNIPDKQITASSYKWTWGLHLSWNPYSYARLDKQGNFNAWVAGSYGND 286
QY 376 QWLQVDLLVPTKVTGIITQGAKDFGHVQFVGSYKLAYSNDGEHWMVHQDEKQKDFQ 435
Db 287 QWLQVDLGSSKEVTGIITQGARNFQSVQFVASYKVAYSNDNSANWTEYQDPRTGSSKIFPG 346
QY 436 NFDNDTHRKNVDPPIYARFIRILPWSWYGRITLRSLLGC 476
Db 347 NWDNHSKKNLFTETPILARYVRILPVAWNRILRLLELLGC 387
```

```
RESULT 7
US-10-485-360-27
; Sequence 27, Application US/10485360
; Publication No. US20040197314A1
; GENERAL INFORMATION:
; APPLICANT: Delcayre, Alain
; APPLICANT: Le Pecq, Jean-Bernard
; TITLE OF INVENTION: Methods and Compounds for the Targeting of Protein to Exosomes
; FILE REFERENCE: B0094WO
; CURRENT APPLICATION NUMBER: US/10/485,360
; CURRENT FILING DATE: 2004-01-30
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 27
; LENGTH: 498
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; NAME/KEY: MISC FEATURE
; OTHER INFORMATION: Human IL2-human Lactadherin C1/C2 domain chimeric protein
US-10-485-360-27
```

```
Query Match 36.0%; Score 960.5; DB 16; Length 498;
Best Local Similarity 52.2%; Pred. No. 4.8e-75;
Matches 180; Conservative 57; Mismatches 105; Indels 3; Gaps 2;

QY 133 ICTDLVANSYCECPGEFMGRNQYKCSGHLGIEGGIISNQOITASSNHRALFGLQKWYPY 192
Db 148 IISTLTPSYTCTCLKGYAGNHCTKCVPLGMNGNIANSQIAASSVRVTFGLQHWVPE 207
QY 193 YARLNKKGLINAWTAENDRWPWQINLQKMRVTGVIITQGAKRIGSPYIKSYKIAYSN 252
Db 208 LARLNAGMVNAWTPSSNDNPWQVNLRRMWVTGVVTTQGASRLASHEYLKAFKVAYSL 267
QY 253 DGKTW-AMYKVGTEEMVFRGNVDNNTPYANSFTPPIKAQYVRLYPQICRRHCTLRMEL 311
Db 268 NGHEFDHFHDVKNKHKEFV--GNWNKNAVHVNLFETPVEAQYVRLYPTTSCHTACTLRFEL 325
QY 312 LGCELSCSEPLGMKSGHIQDYQITASSVFRTLNMDMFTWEPKARLDKQKVNAWTSGH 371
Db 326 LGCELNGCANPLGLKNNIPDKQITASSYKWTWGLHLSWNPYSYARLDKQGNFNAWVAGS 385
QY 372 NQSQWLQVDLLVPTKVTGIITQGAKDFGHVQFVGSYKLAYSNDGEHWMVHQDEKQKDK 431
Db 386 YGNDQWLQVDLGSSKEVTGIITQGARNFQSVQFVASYKVAYSNDNSANWTEYQDPRTGSSK 445
QY 432 VFQGNFNDTHRKNVDPPIYARFIRILPWSWYGRITLRSLLGC 476
Db 446 IFPGNWDNHSKKNLFTETPILARYVRILPVAWNRILRLLELLGC 490
```

```
RESULT 8
US-10-485-360-26
; Sequence 26, Application US/10485360
; Publication No. US20040197314A1
; GENERAL INFORMATION:
; APPLICANT: Delcayre, Alain
; APPLICANT: Le Pecq, Jean-Bernard
; TITLE OF INVENTION: Methods and Compounds for the Targeting of Protein to Exosomes
; FILE REFERENCE: B0094WO
; CURRENT APPLICATION NUMBER: US/10/485,360
; CURRENT FILING DATE: 2004-01-30
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 26
; LENGTH: 480
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; NAME/KEY: MISC FEATURE
; OTHER INFORMATION: Human IL2-human Lactadherin C1/C2 domain chimeric protein
US-10-485-360-26
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```
Query Match 34.5%; Score 922; DB 16; Length 480;
Best Local Similarity 49.3%; Pred. No. 1e-71;
Matches 183; Conservative 55; Mismatches 101; Indels 32; Gaps 6;

QY 136 DLVAN-----YSCECPG-----EFMGR---NCQ-----YKCSGHLGIEG 166
Db 104 DLISNINVIVLELKGSETTFMCEYADETATIVFPLNRWITFCQSIISTLKCVPLGMEN 163
QY 167 GLISNQOITASSNHRALFGLQKWYPYARLNKKGLINAWTAENDRWPWQINLQKMRV 226
Db 164 GNANSQIAASSVRVTFGLQHWVPELARLNAGMVNAWTPSSNDNPWQVNLRRMWV 223
QY 227 TGVITQGAKRIGSPYIKSYKIAYSNDGKTW-AMYKVGTEEMVFRGNVDNNTPYANSF 285
Db 224 TGVVTTQASRLASHEYLKAFKVAYSLNGHEFDHFHDVKNKHKEFV--GNWNKNAVHVNLF 281
QY 286 TPPIKAQYVRLYPQICRRHCTLRMELLGCELSCSEPLGMKSGHIQDYQITASSVFRTLN 345
Db 282 ETPVEAQYVRLYPTTSCHTACTLRFELLGCELNGCANPLGLKNNIPDKQITASSYKWTG 341
QY 346 MDMFTWEPKARLDKQKVNAWTSGHNDQSQWLQVDLLVPTKVTGIITQGAKDFGHVQFV 405
Db 342 LHLFSWNPYSYARLDKQGNFNAWVAGSYGNDQWLQVDLGSSKEVTGIITQGARNFQSVQFV 401
QY 406 GSYKLAYSNDGEHWMVHQDEKQKDKVQGNFNDTHRKNVDPPIYARFIRILPWSWYG 465
Db 402 ASYKVAYSNDNSANWTEYQDPRTGSSKIFPGNWDNHSKKNLFTETPILARYVRILPVAW 461
QY 466 RITLRSLLGC 476
Db 462 RIALRLLELLGC 472
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RESULT 9
US-10-190-593-2
; Sequence 2, Application US/10190593
; Publication No. US2003002221A1
; GENERAL INFORMATION:
; APPLICANT: LANGIT, Emanuel et al.
; TITLE OF INVENTION: ISOLATED HUMAN SECRETED PROTEINS,
; TITLE OF INVENTION: NUCLEIC ACID MOLECULES ENCODING HUMAN SECRETED PROTEINS, AND
; TITLE OF INVENTION: USES THEREOF
; FILE REFERENCE: CL001246
; CURRENT APPLICATION NUMBER: US/10/190,593
; CURRENT FILING DATE: 2002-07-09
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 343
```



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; TYPE: PRT
; ORGANISM: Human
US-10-190-593-2

Query Match      34.3%; Score 914.5; DB 14; Length 343;
Best Local Similarity 53.6%; Pred. No. 3.1e-71;
Matches 172; Conservative 52; Mismatches 94; Indels 3; Gaps 2;

QY 157 KCSGHLGIEGGIISNQITASSNHRALFGLQKVPYYPYARLNKKGLINAWTAAENDRWPWI 216
Db 25 ECVEPLGLENGNIANSQIAASSVRVTFGLQHWVPELARLNLRAGMVNAWTFSSNDDNPWI 84

QY 217 QINLQKMRVTGVITQAKRIGSPYIKSYKIAYSNDGKTW-AMYKVGKTNEEMVFRGNV 275
Db 85 QVNLLRRMWVTGVVTQASRLASHEYLKAFKVAYSLNGHEFDIFIHDVNNKKHKEFV--GNW 142

QY 276 DNNTPYANSFTPPIKAQYVRLYPQICRRHCTLRMELLGCELSGCSEPLGKMSGHIQDYQI 335
Db 143 NKNVHVNLFPETPVEAQYVRLYPTSTCHTACTLRPELNGCPLGLKKNNSIPDKQI 202

QY 336 TASSVFTLNMDMFTWEPRKARLDKQKVNAWTSGHNDQSOWLQVDLLVPTKVTGIITQG 395
Db 203 TASSSYKTWGLHLFSWNPYSYARLDKQGNFNWVAGSYGNDQWLQVDLGSSEVTGIITQG 262

QY 396 AKDFGHVQFVGSYKLAYSNDGEHWMVHQDEKQKDKVFGQNFNDNTHRKNVIDPPIYARF 455
Db 263 ARNFGSVQFVASYKVAYSNDNSANWTEYQDPRTGSSKIFPGNWDNHSKKNLFPETPILARY 322

QY 456 IRILPWSWYGRITLRSELLGC 476
Db 323 VRILPVAWHNRIALRLELLGC 343

RESULT 10
US-10-408-765A-1474
; Sequence 1474, Application US/10408765A
; Publication No. US20040101874A1
; GENERAL INFORMATION:
; APPLICANT: Ghosh, Soumitra S.
; APPLICANT: Fahy, Eoin D.
; APPLICANT: Zhang, Bing
; APPLICANT: Gibson, Bradford W.
; APPLICANT: Taylor, Steven W.
; APPLICANT: Glenn, Gary M.
; APPLICANT: Warnock, Dale E.
; TITLE OF INVENTION: TARGETS FOR THERAPEUTIC INTERVENTION
; TITLE OF INVENTION: IDENTIFIED IN THE MITOCHONDRIAL PROTEOME
; FILE REFERENCE: 660088.465
; CURRENT APPLICATION NUMBER: US/10/408,765A
; CURRENT FILING DATE: 2003-04-04
; NUMBER OF SEQ ID NOS: 3077
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 1474
; LENGTH: 335
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-408-765A-1474

Query Match      31.3%; Score 836; DB 16; Length 335;
Best Local Similarity 41.4%; Pred. No. 2.1e-64;
Matches 166; Conservative 48; Mismatches 93; Indels 94; Gaps 5;

QY 78 CIPNPNCHNGGTC-EISEAYRGDTFIGYVCKCPRGFNGIHCQHINECEABPCRNNGICTD 136
Db 27 CSKNPCHNGGLCEBISQEVRGDVFPSTCTCLKGYNH----- 65

QY 137 LVANYSCECPGEFMRNCQYKCSGHLGIEGGIISNQITASSNHRALFGLQKWPYYARL 196
Db 66 -----CETKCVPEPLGMENGNANSQIAASSVRVTFGLQHWVPELARL 108

QY 197 NKKGLINAWTAAENDRWPWIQINLQKMRVTGVITQAKRIGSPYIKSYKIAYSNDGKT 256
Db 109 NRAGMVNAWTPSSNDDNPWIQVNLRRMWVTGVVTQASRLASHEYLKAFKVAYSLNGHE 168

QY 257 W-AMYKVGKTNEEMVFRGNVDNNTPYANSFTPPIKAQYVRLYPQICRRHCTLRMELLGCE 315
Db 169 FDFIHDVNNKKHKEFV--GNWNKNAVHVNLFPETPVEAQYVRLYPTSTCHTACTLRPELLGCE 226

QY 316 LSGCSEPLGKMSGHIQDYQITASSVFRTLNMDMFTWEPRKARLDKQKVNAWTSGHNDQS 375
Db 227 LNCANPLGLKKNNSIPDKQITASSSYKTWGLHLFSWNPYSYARLDKQGNFNWVAGSYGND 286

QY 376 QWLQVDLLVPTKVTGIITQGAKDFGHVQFVGSYKLAYSNDGEHWMVHQDEKQKDKVFGQ 435
Db 287 QWLQ-----IFPG 294

QY 436 NFDNDTHRKNVIDPPIYARFIRILPWSWYGRITLRSELLGC 476
Db 295 NWDNHSKKNLFPETPILARYVRILPVAWHNRIALRLELLGC 335

RESULT 12
US-10-360-101-259
; Sequence 259, Application US/10360101
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QY 257 W-AMYKVGKTNEEMVFRGNVDNNTPYANSFTPPIKAQYVRLYPQICRRHCTLRMELLGCE 315
Db 169 FDFIHDVNNKKHKEFV--GNWNKNAVHVNLFPETPVEAQYVRLYPTSTCHTACTLRPELLGCE 226

QY 316 LSGCSEPLGKMSGHIQDYQITASSVFRTLNMDMFTWEPRKARLDKQKVNAWTSGHNDQS 375
Db 227 LNCANPLGLKKNNSIPDKQITASSSYKTWGLHLFSWNPYSYARLDKQGNFNWVAGSYGND 286

QY 376 QWLQVDLLVPTKVTGIITQGAKDFGHVQFVGSYKLAYSNDGEHWMVHQDEKQKDKVFGQ 435
Db 287 QWLQ-----IFPG 294

QY 436 NFDNDTHRKNVIDPPIYARFIRILPWSWYGRITLRSELLGC 476
Db 295 NWDNHSKKNLFPETPILARYVRILPVAWHNRIALRLELLGC 335

RESULT 11
US-10-485-360-8
; Sequence 8, Application US/10485360
; Publication No. US20040197314A1
; GENERAL INFORMATION:
; APPLICANT: Delcayre, Alain
; APPLICANT: Le Pecq, Jean-Bernard
; TITLE OF INVENTION: Methods and Compounds for the Targeting of Protein to Exosomes
; FILE REFERENCE: B0094WO
; CURRENT APPLICATION NUMBER: US/10/485,360
; CURRENT FILING DATE: 2004-01-30
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 8
; LENGTH: 343
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-485-360-8

Query Match      31.3%; Score 836; DB 16; Length 343;
Best Local Similarity 41.4%; Pred. No. 2.2e-64;
Matches 166; Conservative 48; Mismatches 93; Indels 94; Gaps 5;

QY 78 CIPNPNCHNGGTC-EISEAYRGDTFIGYVCKCPRGFNGIHCQHINECEABPCRNNGICTD 136
Db 27 CSKNPCHNGGLCEBISQEVRGDVFPSTCTCLKGYNH----- 65

QY 137 LVANYSCECPGEFMRNCQYKCSGHLGIEGGIISNQITASSNHRALFGLQKWPYYARL 196
Db 66 -----CETKCVPEPLGMENGNANSQIAASSVRVTFGLQHWVPELARL 108

QY 197 NKKGLINAWTAAENDRWPWIQINLQKMRVTGVITQAKRIGSPYIKSYKIAYSNDGKT 256
Db 109 NRAGMVNAWTPSSNDDNPWIQVNLRRMWVTGVVTQASRLASHEYLKAFKVAYSLNGHE 168

QY 257 W-AMYKVGKTNEEMVFRGNVDNNTPYANSFTPPIKAQYVRLYPQICRRHCTLRMELLGCE 315
Db 169 FDFIHDVNNKKHKEFV--GNWNKNAVHVNLFPETPVEAQYVRLYPTSTCHTACTLRPELLGCE 226

QY 316 LSGCSEPLGKMSGHIQDYQITASSVFRTLNMDMFTWEPRKARLDKQKVNAWTSGHNDQS 375
Db 227 LNCANPLGLKKNNSIPDKQITASSSYKTWGLHLFSWNPYSYARLDKQGNFNWVAGSYGND 286

QY 376 QWLQVDLLVPTKVTGIITQGAKDFGHVQFVGSYKLAYSNDGEHWMVHQDEKQKDKVFGQ 435
Db 287 QWLQ-----IFPG 294

QY 436 NFDNDTHRKNVIDPPIYARFIRILPWSWYGRITLRSELLGC 476
Db 295 NWDNHSKKNLFPETPILARYVRILPVAWHNRIALRLELLGC 335

RESULT 12
US-10-360-101-259
; Sequence 259, Application US/10360101
```

```

; Publication No. US20040009550A1
; GENERAL INFORMATION:
; APPLICANT: Moll, Gert N.
; APPLICANT: Leenhouts, Cornelis J.
; TITLE OF INVENTION: Export and modification of (poly)peptide in the lantibiotic way
; FILE REFERENCE: 2183-5673
; CURRENT APPLICATION NUMBER: US/10/360,101
; CURRENT FILING DATE: 2003-02-07
; PRIOR APPLICATION NUMBER: EP 02077060.8
; PRIOR FILING DATE: 2002-05-24
; NUMBER OF SEQ ID NOS: 309
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 259
; LENGTH: 2196
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: sequence of prothrombin
US-10-360-101-259

Query Match      25.8%; Score 689; DB 15; Length 2196;
Best Local Similarity 42.7%; Pred. No. 1.6e-50;
Matches 144; Conservative 55; Mismatches 122; Indels 16; Gaps 4;

QY 144 ECPGEFMGRNCQKCSGHLGIEGGIISNQITASSNHRALFGLQKWYPYYARLNKKGLIN 203
Db 1869 QTPFLIMDRDCRMP-----MGLSTGIISDSQIKASE-----FLGYWEPRLARLNNGGSYN 1918

QY 204 AWT-----AAENDRWPIQINLQKMRVTGVTQGAKRIGSPYIKSYKIAYSNDGKTWAM 259
Db 1919 AWSVEKLAAEFASKPWIQVDMQKEVIITGIQTQGAHYLKSCYTTEFYVAYSSNQINWQI 1978

QY 260 YKVKGTNEEMVFRGNVDNNTPYANSFTPPPIKAQYVRLYPQICRRHCTLRMELLGCELSGC 319
Db 1979 FKGNSTRNVMYFNGNSDASTIKENQFDPPIVARYIRISPTRAYNRPTLRLELQGCCEVNGC 2038

QY 320 SEPLGMKSGHIQDYQITASSVFRTLNMDMFTWEPKARLDKQGVNAWTSQHNDQSQWLQ 379
Db 2039 STPLGMENGKIENKQITASSFKKSWMGDY--WEPFRARLNAQGRVNAWQAKANNKQWLE 2096

QY 380 VDLLVPTKVTGIITQGAKDFGHVQFVGSYKLAYSNDGEHWMVHQDEKQKDKVFGQNFND 439
Db 2097 IDLLKIKKITAIIITQGCKSLSEMVKSYTIHYSEQGVWKPRLKSSMVDKIFEGTNT 2156

QY 440 DTHRKQNVDPPIYARFIRILPWSWYGRITLRSELLGC 476
Db 2157 KGHVKNFFNPPIISRIFIRVIPKTNQSIITLRLELFGC 2193

RESULT 13
US-10-115-563-14
; Sequence 14, Application US/10115563
; Publication No. US20030008307A1
; GENERAL INFORMATION:
; APPLICANT: Griffen, John H
; APPLICANT: Greengard, Judith S
; TITLE OF INVENTION: METHODS FOR DIAGNOSING ACTIVATED PROTEIN
; C RESISTANCE ASSOCIATED WITH A FACTOR V GENETIC MUTATION
; AND COMPOSITIONS THEREOF
; NUMBER OF SEQUENCES: 28
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: The Scripps Research Institute, Office of
; Patent Counsel
; STREET: 10666 No. US20030008307A1th Torrey Pines Road, TPC 8
; CITY: La Jolla
; STATE: CA
; COUNTRY: USA
; ZIP: 92037
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25

; Publication No. US20040009550A1
; GENERAL INFORMATION:
; APPLICANT: Moll, Gert N.
; APPLICANT: Leenhouts, Cornelis J.
; TITLE OF INVENTION: Export and modification of (poly)peptide in the lantibiotic way
; FILE REFERENCE: 2183-5673
; CURRENT APPLICATION NUMBER: US/10/360,101
; CURRENT FILING DATE: 2003-02-07
; PRIOR APPLICATION NUMBER: EP 02077060.8
; PRIOR FILING DATE: 2002-05-24
; NUMBER OF SEQ ID NOS: 309
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 259
; LENGTH: 2196
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: sequence of prothrombin
US-10-360-101-259

Query Match      25.8%; Score 689; DB 15; Length 2196;
Best Local Similarity 42.7%; Pred. No. 1.6e-50;
Matches 144; Conservative 55; Mismatches 122; Indels 16; Gaps 4;

QY 144 ECPGEFMGRNCQKCSGHLGIEGGIISNQITASSNHRALFGLQKWYPYYARLNKKGLIN 203
Db 1869 QTPFLIMDRDCRMP-----MGLSTGIISDSQIKASE-----FLGYWEPRLARLNNGGSYN 1918

QY 204 AWT-----AAENDRWPIQINLQKMRVTGVTQGAKRIGSPYIKSYKIAYSNDGKTWAM 259
Db 1919 AWSVEKLAAEFASKPWIQVDMQKEVIITGIQTQGAHYLKSCYTTEFYVAYSSNQINWQI 1978

QY 260 YKVKGTNEEMVFRGNVDNNTPYANSFTPPPIKAQYVRLYPQICRRHCTLRMELLGCELSGC 319
Db 1979 FKGNSTRNVMYFNGNSDASTIKENQFDPPIVARYIRISPTRAYNRPTLRLELQGCCEVNGC 2038

QY 320 SEPLGMKSGHIQDYQITASSVFRTLNMDMFTWEPKARLDKQGVNAWTSQHNDQSQWLQ 379
Db 2039 STPLGMENGKIENKQITASSFKKSWMGDY--WEPFRARLNAQGRVNAWQAKANNKQWLE 2096

QY 380 VDLLVPTKVTGIITQGAKDFGHVQFVGSYKLAYSNDGEHWMVHQDEKQKDKVFGQNFND 439
Db 2097 IDLLKIKKITAIIITQGCKSLSEMVKSYTIHYSEQGVWKPRLKSSMVDKIFEGTNT 2156

QY 440 DTHRKQNVDPPIYARFIRILPWSWYGRITLRSELLGC 476
Db 2157 KGHVKNFFNPPIISRIFIRVIPKTNQSIITLRLELFGC 2193

RESULT 13
US-10-115-563-14
; Sequence 14, Application US/10115563
; Publication No. US20030008307A1
; GENERAL INFORMATION:
; APPLICANT: Griffen, John H
; APPLICANT: Greengard, Judith S
; TITLE OF INVENTION: METHODS FOR DIAGNOSING ACTIVATED PROTEIN
; C RESISTANCE ASSOCIATED WITH A FACTOR V GENETIC MUTATION
; AND COMPOSITIONS THEREOF
; NUMBER OF SEQUENCES: 28
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: The Scripps Research Institute, Office of
; Patent Counsel
; STREET: 10666 No. US20030008307A1th Torrey Pines Road, TPC 8
; CITY: La Jolla
; STATE: CA
; COUNTRY: USA
; ZIP: 92037
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25

; Publication No. US/10/115,563
; FILING DATE: 02-Apr-2002
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/410,488
; FILING DATE: 24-MAR-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Fitting, Thomas
; REGISTRATION NUMBER: 34,163
; REFERENCE/DOCKET NUMBER: 449.0
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619-554-2937
; TELEFAX: 619-554-6312
; INFORMATION FOR SEQ ID NO: 14:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2224 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 14:
US-10-115-563-14

Query Match      25.8%; Score 689; DB 14; Length 2224;
Best Local Similarity 42.7%; Pred. No. 1.6e-50;
Matches 144; Conservative 55; Mismatches 122; Indels 16; Gaps 4;

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Db 1897 QTPFLIMDRDCRMP-----MGLSTGIISDSQIKASE-----FLGYWEPRLARLNNGGSYN 1946

QY 204 AWT-----AAENDRWPIQINLQKMRVTGVTQGAKRIGSPYIKSYKIAYSNDGKTWAM 259
Db 1947 AWSVEKLAAEFASKPWIQVDMQKEVIITGIQTQGAHYLKSCYTTEFYVAYSSNQINWQI 2006

QY 260 YKVKGTNEEMVFRGNVDNNTPYANSFTPPPIKAQYVRLYPQICRRHCTLRMELLGCELSGC 319
Db 2007 FKGNSTRNVMYFNGNSDASTIKENQFDPPIVARYIRISPTRAYNRPTLRLELQGCCEVNGC 2066

QY 320 SEPLGMKSGHIQDYQITASSVFRTLNMDMFTWEPKARLDKQGVNAWTSQHNDQSQWLQ 379
Db 2067 STPLGMENGKIENKQITASSFKKSWMGDY--WEPFRARLNAQGRVNAWQAKANNKQWLE 2124

QY 380 VDLLVPTKVTGIITQGAKDFGHVQFVGSYKLAYSNDGEHWMVHQDEKQKDKVFGQNFND 439
Db 2125 IDLLKIKKITAIIITQGCKSLSEMVKSYTIHYSEQGVWKPRLKSSMVDKIFEGTNT 2184

QY 440 DTHRKQNVDPPIYARFIRILPWSWYGRITLRSELLGC 476
Db 2185 KGHVKNFFNPPIISRIFIRVIPKTNQSIITLRLELFGC 2221

RESULT 14
US-10-172-712-31
; Sequence 31, Application US/10172712
; Publication No. US20030125232A1
; GENERAL INFORMATION:
; APPLICANT: GRIFFIN, JOHN H.
; APPLICANT: GALE, ANDREW J.
; APPLICANT: GETZOFF, ELIZABETH D.
; APPLICANT: PELLEQUER, JEAN-LUC
; TITLE OF INVENTION: STABILIZED PROTEINS WITH ENGINEERED DISULFIDE BONDS
; FILE REFERENCE: 4198-4001US1
; CURRENT APPLICATION NUMBER: US/10/172,712
; CURRENT FILING DATE: 2002-09-30
; PRIOR APPLICATION NUMBER: 60/298,578
; PRIOR FILING DATE: 2001-06-14
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 31
; LENGTH: 2224
; TYPE: PRT
; ORGANISM: Homo sapiens
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US-10-172-712-31

Query Match 25.8%; Score 689; DB 14; Length 2224;
Best Local Similarity 42.7%; Pred. No. 1.6e-50;
Matches 144; Conservative 55; Mismatches 122; Indels 16; Gaps 4;

Qy 144 ECPGEFMGRNCQYKCSGHLGIEGGIISNQITASSNHRALFGLQKWYPYARLNKKGLIN 203
Db 1897 QTPFLIMDRDCRMP-----MGLSTGIISDSQIKASE-----FLGYWEPRLARLNNGGSYN 1946

Qy 204 AWT-----AAENDRWPWQINLQKMRVTGVITQGAKRIGSP EYIKSYKIAYSNDGKTWAM 259
Db 1947 AWSVEKLAAEFASKPWIQVDMQKEVIITGIQTQGAHYLKSCYTTTEFYVAYSSNQINWQI 2006

Qy 260 YKVKGTNEEMVFRGNVDNNTPYANSFTPPIKAQYVRLYPQICRRHCTLRMELLGCELSGC 319
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Qy 320 SEPLGKMSGHIQDYQITASSVFTLNMDMFTWEPRKARLDKQGVNAWTSGHNDQSOWLQ 379
Db 2067 STPLGMENGKIENKQITASSFKKSWWGDY--WEPFRARLNAQGRVNAWQAKANNKKQWLE 2124

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Db 2125 IDLLKIKKITAIIQTGCKSLSEMYVKSYTIHYSEQGVEWKPYRLKSSMVDKIFEGTNT 2184

Qy 440 DTHRKNVIDPPIYARFIRILPWSWYGRITLRSELLGC 476
Db 2185 KGHVKNFFNPPIISRPFIRVIPKTNQSIITLRLELFGC 2221

RESULT 15
US-10-741-601-542
; Sequence 542, Application US/10741601
; Publication No. US20040166519A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; FILE REFERENCE: CL001500
; CURRENT APPLICATION NUMBER: US/10/741,601
; CURRENT FILING DATE: 2003-12-22
; NUMBER OF SEQ ID NOS: 26415
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 542
; LENGTH: 2224
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-741-601-542

Query Match 25.6%; Score 684; DB 16; Length 2224;
Best Local Similarity 42.4%; Pred. No. 4.4e-50;
Matches 143; Conservative 55; Mismatches 123; Indels 16; Gaps 4;

Qy 144 ECPGEFMGRNCQYKCSGHLGIEGGIISNQITASSNHRALFGLQKWYPYARLNKKGLIN 203
Db 1897 QTPFLIMDRDCRMP-----MGLSTGIISDSQIKASE-----FLGYWEPRLARLNNGGSYN 1946

Qy 204 AWT-----AAENDRWPWQINLQKMRVTGVITQGAKRIGSP EYIKSYKIAYSNDGKTWAM 259
Db 1947 AWSVEKLAAEFASKPWIQVDMQKEVIITGIQTQGAHYLKSCYTTTEFYVAYSSNQINWQI 2006

Qy 260 YKVKGTNEEMVFRGNVDNNTPYANSFTPPIKAQYVRLYPQICRRHCTLRMELLGCELSGC 319
Db 2007 FKGNSTRNVMYFNGNSDASTIKENQFDPPIVARYIRISPTRAYNRPTLRLELQGEVNGC 2066

Qy 320 SEPLGKMSGHIQDYQITASSVFTLNMDMFTWEPRKARLDKQGVNAWTSGHNDQSOWLQ 379
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Qy 380 VDLLVPTKVTGIIQTQAKDFGHVQFVGSYKLAYSNDGEHWMVHODEKORKDKVFOGNFDN 439
Db 2125 IDLLKIKKITAIIQTGCKSLSEMYVKSYTIHYSEQGVEWKPYRLKSSMVDKIFEGTNT 2184

Qy 440 DTHRKNVIDPPIYARFIRILPWSWYGRITLRSELLGC 476
Db 2185 KGHVKNFFNPPIISRPFIRVIPKTNQSIITLRLELFGC 2221

Search completed: March 26, 2005, 08:24:59
Job time : 64.5019 secs

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GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: March 26, 2005, 07:56:55 ; Search time 12.3829 Seconds
(without alignments)
1332.278 Million cell updates/sec

Title: US-09-237-981E-29
Perfect score: 1263
Sequence: 1 MKHLVAAWLLVGLSLGVPPQF.....INAWTAAENDRWPWQVTVG 221

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 513545 seqs, 74649064 residues

Total number of hits satisfying chosen parameters: 513545

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents AA: *
1: /cgn2_6/ptodata/1/iaa/5A_COMB.pep: *
2: /cgn2_6/ptodata/1/iaa/5B_COMB.pep: *
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6: /cgn2_6/ptodata/1/iaa/backfiles1.pep: *

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1257	99.5	221	2	US-08-480-229C-29 Sequence 29, Appl
2	1257	99.5	221	2	US-08-659-235C-29 Sequence 29, Appl
3	1248	98.8	480	2	US-08-480-229C-10 Sequence 10, Appl
4	1248	98.8	480	2	US-08-659-235C-10 Sequence 10, Appl
5	1139.5	90.2	513	2	US-08-480-229C-14 Sequence 14, Appl
6	1139.5	90.2	513	2	US-08-659-235C-14 Sequence 14, Appl
7	1011	80.0	448	4	US-09-949-016-10130 Sequence 10130, A
8	396	31.4	463	2	US-08-162-402B-9 Sequence 9, Appli
9	394.5	31.2	465	2	US-08-162-402B-8 Sequence 8, Appli
10	324.5	25.7	2523	1	US-08-185-432-18 Sequence 18, Appl
11	324.5	25.7	2523	4	US-08-899-232-3 Sequence 3, Appli
12	324.5	25.7	2523	4	US-09-121-457-3 Sequence 3, Appli
13	318	25.2	2471	1	US-08-185-432-16 Sequence 16, Appl
14	318	25.2	2471	1	US-08-083-590A-19 Sequence 19, Appl
15	318	25.2	2471	3	US-08-532-384-19 Sequence 19, Appl
16	318	25.2	2471	4	US-08-899-232-1 Sequence 1, Appli
17	318	25.2	2471	4	US-09-121-457-1 Sequence 1, Appli
18	317.5	25.1	721	3	US-08-872-855-7 Sequence 7, Appli
19	317.5	25.1	721	3	US-08-981-392-5 Sequence 5, Appli
20	317.5	25.1	721	4	US-09-908-322-5 Sequence 5, Appli
21	312.5	24.7	728	3	US-08-981-392-2 Sequence 2, Appli
22	312.5	24.7	728	4	US-09-908-322-2 Sequence 2, Appli
23	312	24.7	729	3	US-08-872-855-8 Sequence 8, Appli
24	305.5	24.2	717	3	US-08-872-855-9 Sequence 9, Appli
25	304.5	24.1	321	2	US-08-480-229C-21 Sequence 21, Appl
26	304.5	24.1	321	2	US-08-659-235C-21 Sequence 21, Appl
27	304	24.1	702	3	US-09-068-740A-4 Sequence 4, Appli

28	304	24.1	723	3	US-09-068-740A-9	Sequence 9, Appli
29	304	24.1	723	4	US-09-423-753-27	Sequence 27, Appl
30	303.5	24.0	713	3	US-08-872-855-5	Sequence 5, Appli
31	302.5	24.0	2703	1	US-08-185-432-19	Sequence 19, Appl
32	302.5	24.0	2703	4	US-08-899-232-4	Sequence 4, Appli
33	302.5	24.0	2703	4	US-09-121-457-4	Sequence 4, Appli
34	297	23.5	520	3	US-09-068-740A-3	Sequence 3, Appli
35	297	23.5	723	4	US-09-641-612-6	Sequence 6, Appli
36	295.5	23.4	1404	2	US-08-400-159-2	Sequence 2, Appli
37	295.5	23.4	1404	3	US-08-611-729A-2	Sequence 2, Appli
38	295.5	23.4	1404	4	US-09-195-524-2	Sequence 2, Appli
39	292.5	23.2	2556	1	US-08-083-590A-20	Sequence 20, Appl
40	292.5	23.2	2556	3	US-08-532-384-20	Sequence 20, Appl
41	291.5	23.1	720	3	US-08-872-855-4	Sequence 4, Appli
42	291.5	23.1	722	3	US-08-981-392-12	Sequence 12, Appl
43	291.5	23.1	722	4	US-09-908-322-12	Sequence 12, Appl
44	291	23.0	1010	3	US-08-882-046-7	Sequence 7, Appli
45	291	23.0	1010	4	US-09-566-047-7	Sequence 7, Appli

ALIGNMENTS

RESULT 1
US-08-480-229C-29
; Sequence 29, Application US/08480229C
; Patent No. 5874562
; GENERAL INFORMATION:
; APPLICANT: Quertermous, Thomas
; APPLICANT: Hogan, Brigid
; APPLICANT: Snodgrass, H. Ralph
; APPLICANT: Zupancic, Thomas J.
; TITLE OF INVENTION: DEVELOPMENTALLY-REGULATED ENDOTHELIAL
; TITLE OF INVENTION: CELL LOCUS-1
; NUMBER OF SEQUENCES: 29
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds LLP
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: United States
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/480,229C
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Poissant, Brian M.
; REGISTRATION NUMBER: 28,462
; REFERENCE/DOCKET NUMBER: 8907-0026-999
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 790-9090
; TELEFAX: (212) 869-8864/9741
; TELEX: 66141 Pennie
; INFORMATION FOR SEQ ID NO: 29:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 221 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; FRAGMENT TYPE: internal
; US-08-480-229C-29

Query Match 99.5%; Score 1257; DB 2; Length 221;
Best Local Similarity 99.5%; Pred. No. 1.2e-102;
Matches 220; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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Db 61 SVVEVASDEEKPTSGAGPCIPNPNCHNGGTCEISEAYRGDTFIGYVCKPRGFNGIHCQHN 120
QY 121 NECEAEPCRNNGICTDLVANYSCGPCGFEMGRNCQYKCSGHLGIEGGIISNQOITASSNH 180
Db 121 NECEAEPCRNNGICTDLVANYSCGPCGFEMGRNCQYKCSGHLGIEGGIISNQOITASSNH 180
QY 181 RALFGLQKWYPYARLNKKGLINAWTAANDRWPIQVTVG 221
Db 181 RALFGLQKWYPYARLNKKGLINAWTAANDRWPIQVTVG 221

RESULT 2
US-08-659-235C-29
; Sequence 29, Application US/08659235C
; Patent No. 5877281
; GENERAL INFORMATION:
; APPLICANT: Quertermous, Thomas
; APPLICANT: Hogan, Brigid
; APPLICANT: Snodgrass, H. Ralph
; APPLICANT: Zupancic, Thomas J.
; TITLE OF INVENTION: DEVELOPMENTALLY-REGULATED ENDOTHELIAL
; TITLE OF INVENTION: CELL LOCUS-1
; NUMBER OF SEQUENCES: 29
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds LLP
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: United States
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/659,235C
; FILING DATE: 05-JUN-1996
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Poissant, Brian M.
; REGISTRATION NUMBER: 28,462
; REFERENCE/DOCKET NUMBER: 8907-0034-999
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 790-9090
; TELEFAX: (212) 869-8864/9741
; TELEX: 66141 Pennie
; INFORMATION FOR SEQ ID NO: 29:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 221 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; FRAGMENT TYPE: internal

US-08-659-235C-29
Query Match 99.5%; Score 1257; DB 2; Length 221;
Best Local Similarity 99.5%; Pred. No. 1.2e-102;
Matches 220; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1 MKHLVAWLLVGLSLGVPQFGKGDICNPNPCENGICLSGLADDSFSCECPGAGPNC 60
Db 1 MKHLVAWLLVGLSLGVPQFGKGDICNPNPCENGICLSGLADDSFSCECPGAGPNC 60
QY 61 SVVEVASDEEKPTSGAGPCIPNPNCHNGGTCEISEAYRGDTFIGYVCKPRGFNGIHCQHN 120

Db 61 SVVEVASDEEKPTSGAGPCIPNPNCHNGGTCEISEAYRGDTFIGYVCKPRGFNGIHCQHN 120
QY 121 NECEAEPCRNNGICTDLVANYSCGPCGFEMGRNCQYKCSGHLGIEGGIISNQOITASSNH 180
Db 121 NECEAEPCRNNGICTDLVANYSCGPCGFEMGRNCQYKCSGHLGIEGGIISNQOITASSNH 180
QY 181 RALFGLQKWYPYARLNKKGLINAWTAANDRWPIQVTVG 221
Db 181 RALFGLQKWYPYARLNKKGLINAWTAANDRWPIQVTVG 221

RESULT 3
US-08-480-229C-10
; Sequence 10, Application US/08480229C
; Patent No. 5874562
; GENERAL INFORMATION:
; APPLICANT: Quertermous, Thomas
; APPLICANT: Hogan, Brigid
; APPLICANT: Snodgrass, H. Ralph
; APPLICANT: Zupancic, Thomas J.
; TITLE OF INVENTION: DEVELOPMENTALLY-REGULATED ENDOTHELIAL
; TITLE OF INVENTION: CELL LOCUS-1
; NUMBER OF SEQUENCES: 29
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds LLP
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: United States
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/480,229C
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Poissant, Brian M.
; REGISTRATION NUMBER: 28,462
; REFERENCE/DOCKET NUMBER: 8907-0026-999
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 790-9090
; TELEFAX: (212) 869-8864/9741
; TELEX: 66141 Pennie
; INFORMATION FOR SEQ ID NO: 10:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 480 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein

US-08-480-229C-10
Query Match 98.8%; Score 1248; DB 2; Length 480;
Best Local Similarity 98.6%; Pred. No. 1.7e-101;
Matches 217; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 1 MKHLVAWLLVGLSLGVPQFGKGDICNPNPCENGICLSGLADDSFSCECPGAGPNC 60
Db 1 MKHLVAWLLVGLSLGVPQFGKGDICNPNPCENGICLSGLADDSFSCECPGAGPNC 60
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Db 61 SVVEVASDEEKPTSGAGPCIPNPNCHNGGTCEISEAYRGDTFIGYVCKPRGFNGIHCQHN 120
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QY 181 RALFGLQKWYPYARLNKKGLINAWTAANDRWPIQVTV 220

Db 181 RALFGLQKWYPYARLNKKGLINAWTAAENDRWPIQINL 220

RESULT 4

US-08-659-235C-10

; Sequence 10, Application US/08659235C

; Patent No. 5877281

; GENERAL INFORMATION:

; APPLICANT: Quertermous, Thomas

; APPLICANT: Hogan, Brigid

; APPLICANT: Snodgrass, H. Ralph

; APPLICANT: Zupancic, Thomas J.

; TITLE OF INVENTION: DEVELOPMENTALLY-REGULATED ENDOTHELIAL

; TITLE OF INVENTION: CELL LOCUS-1

; NUMBER OF SEQUENCES: 29

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Pennie & Edmonds LLP

; STREET: 1155 Avenue of the Americas

; CITY: New York

; STATE: New York

; COUNTRY: United States

; ZIP: 10036-2711

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.30

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/659,235C

; FILING DATE: 05-JUN-1996

; CLASSIFICATION: 435

; ATTORNEY/AGENT INFORMATION:

; NAME: Poissant, Brian M.

; REGISTRATION NUMBER: 28,462

; REFERENCE/DOCKET NUMBER: 8907-0034-999

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (212) 790-9090

; TELEFAX: (212) 869-8864/9741

; TELEX: 66141 Pennie

; INFORMATION FOR SEQ ID NO: 10:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 480 amino acids

; TYPE: amino acid

; TOPOLOGY: linear

; MOLECULE TYPE: protein

US-08-659-235C-10

Query Match 98.8%; Score 1248; DB 2; Length 480;

Best Local Similarity 98.6%; Pred. No. 1.7e-101;

Matches 217; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

Qy 1 MKHLVAALLVGLSLGVPQFGKGDICNPNCENGIGICLSGLADDSFCECPEGFAGPNC 60

Db 1 MKHLVAALLVGLSLGVPQFGKGDICNPNCENGIGICLSGLADDSFCECPEGFAGPNC 60

Qy 61 SVVEVASDEBKPTSAGPCIPNPNCHNGGTCEISEAYRGDTFIGYVCKPRGFNGIHCQHN 120

Db 61 SVVEVASDEBKPTSAGPCIPNPNCHNGGTCEISEAYRGDTFIGYVCKPRGFNGIHCQHN 120

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Db 121 NECEAEPCRNNGICTDLVANYSCPCGPFMGRNCQYKCSGHLGIEGGIISNQOITASSNH 180

Qy 181 RALFGLQKWYPYARLNKKGLINAWTAAENDRWPIQTV 220

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RESULT 5

US-08-480-229C-14

; Sequence 14, Application US/08480229C

; Patent No. 5874562

; GENERAL INFORMATION:

; APPLICANT: Quertermous, Thomas

; APPLICANT: Hogan, Brigid

; APPLICANT: Snodgrass, H. Ralph

; APPLICANT: Zupancic, Thomas J.

; TITLE OF INVENTION: DEVELOPMENTALLY-REGULATED ENDOTHELIAL

; TITLE OF INVENTION: CELL LOCUS-1

; NUMBER OF SEQUENCES: 29

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Pennie & Edmonds LLP

; STREET: 1155 Avenue of the Americas

; CITY: New York

; STATE: New York

; COUNTRY: United States

; ZIP: 10036-2711

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.30

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/480,229C

; FILING DATE: 07-JUN-1995

; CLASSIFICATION: 536

; ATTORNEY/AGENT INFORMATION:

; NAME: Poissant, Brian M.

; REGISTRATION NUMBER: 28,462

; REFERENCE/DOCKET NUMBER: 8907-0026-999

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (212) 790-9090

; TELEFAX: (212) 869-8864/9741

; TELEX: 66141 Pennie

; INFORMATION FOR SEQ ID NO: 14:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 513 amino acids

; TYPE: amino acid

; STRANDEDNESS: unknown

; TOPOLOGY: linear

; MOLECULE TYPE: protein

US-08-480-229C-14

Query Match 90.2%; Score 1139.5; DB 2; Length 513;

Best Local Similarity 90.5%; Pred. No. 5.9e-92;

Matches 200; Conservative 6; Mismatches 14; Indels 1; Gaps 1;

Qy 1 MKHLVAALLVGLSLGVPQFGKGDICNPNCENGIGICLSGLADDSFCECPEGFAGPNC 60

Db 33 MKRSVAWLLVGLSLGVPQFGKGDICNPNCENGIGICLPGLAVGSPCECPDGFTDPNCS 92

Qy 61 SVVEVASDEBKPTSAGPCIPNPNCHNGGTCEISEAYRGDTFIGYVCKPRGFNGIHCQHN 120

Db 93 SVVEVASDEBKPTSAGPCIPNPNCHNGGTCEISEAYRGDTFIGYVCKPRGFNGIHCQHN 152

Qy 121 NECEAEPCRNNGICTDLVANYSCPCGPFMGRNCQYKCSGHLGIEGGIISNQOITASSNH 180

Db 153 NECEAEPCRNNGICTDLVANYSCPCGPFMGRNCQYKCSGPLGIEGGIISNQOITASSNH 212

Qy 181 RALFGLQKWYPYARLNKKGLINAWTAAENDRWPIQTV 220

Db 213 RALFGLQKWYPYARLNKKGLINAWTAAENDRWKRWIQL 253

RESULT 6

US-08-659-235C-14

; Sequence 14, Application US/08659235C

; Patent No. 5877281

; GENERAL INFORMATION:

; APPLICANT: Quertermous, Thomas

; APPLICANT: Hogan, Brigid

; APPLICANT: Snodgrass, H. Ralph

; APPLICANT: Zupancic, Thomas J.

; TITLE OF INVENTION: DEVELOPMENTALLY-REGULATED ENDOTHELIAL

; TITLE OF INVENTION: CELL LOCUS-1

; NUMBER OF SEQUENCES: 29

Wed Mar 30 17:27:07 2005

```

CORRESPONDENCE ADDRESS:
ADDRESSEE: Pennie & Edmonds LLP
STREET: 1155 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: United States
ZIP: 10036-2711
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/659,235C
FILING DATE: 05-JUN-1996
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Poissant, Brian M.
REGISTRATION NUMBER: 28,462
REFERENCE/DOCKET NUMBER: 8907-0034-999
TELEPHONE: (212) 790-9090
TELEFAX: (212) 869-8864/9741
TELEX: 66141 Pennie
INFORMATION FOR SEQ ID NO: 14:
SEQUENCE CHARACTERISTICS:
LENGTH: 513 amino acids
TYPE: amino acid
STRANDEDNESS: unknown
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-659-235C-14

Query Match 90.2%; Score 1139.5; DB 2; Length 513;
Best Local Similarity 90.5%; Pred. No. 5.9e-92;
Matches 200; Conservative 6; Mismatches 14; Indels 1; Gaps 1;

QY 1 MKHLVAALLVGLSLGVPQFGKGDICNPNPCENGICLSGLADDSFSCCEPFGAGPNC 60
Db 33 MKRSVAVLLVGLSLGVPQFGKGDICDNPNCENGICLPGLAVGFSFCPCPDGFTDPNCS 92

QY 61 SVVEVASDEEKPTSGAPCTIPNCHNGGTCEISEAYRGDTFIGYVCKCPRGFNGIHCQHNI 120
Db 93 SVVEVASDEEPTSGAPCTIPNCHNGGTCEISEAYRGDTFIGYVCKCPRGFNGIHCQHNI 152

QY 121 NECEAPPCRNNGGICTDLVANSCECPGFMGRNCQKSGHLGIEGGIISNQOITASSNH 180
Db 153 NECEVEPCNKGICTDLVANSCECPGFMGRNCQKSGPLGIEGGIISNQOITASSTH 212

QY 181 RALFGLQKWYPYARLNKKGLINAWTAANDRWP-WIQTVV 220
Db 213 RALFGLQKWYPYARLNKKGLINAWTAANDRWRKRWIQL 253

RESULT 7
US-09-949-016-10130
; Sequence 10130, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0

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; SEQ ID NO 10130
; LENGTH: 448
; TYPE: PRT
; ORGANISM: Human
US-09-949-016-10130

Query Match 80.0%; Score 1011; DB 4; Length 448;
Best Local Similarity 87.9%; Pred. No. 9.3e-81;
Matches 174; Conservative 5; Mismatches 9; Indels 10; Gaps 1;

QY 23 GDICNPNPCENGICLSGLADDSFSCCEPFGAGPNCSSVVEVASDEEKPTSGAPCIPNP 82
Db 1 GDICDNPNCENGICLPGLADGFSFCECPDGFTDPNCSSVVEV-----GPCTPNP 50

QY 83 CHNGGTCEISEAYRGDTFIGYVCKCPRGFNGIHCQHNINECEAPPCRNNGGICTDLVANS 142
Db 51 CHNGGTCEISEAYRGDTFIGYVCKCPRGFNGIHCQHNINECEVEPCNKGICTDLVANS 110

QY 143 CECPGFMGRNCQKSGHLGIEGGIISNQOITASSNHRALFGLQKWYPYARLNKKGLI 202
Db 111 CECPGFMGRNCQKSGPLGIEGGIISNQOITASSTHRALFGLQKWYPYARLNKKGLI 170

QY 203 NAWTAAENDRWPWIQTVV 220
Db 171 NAWTAAENDRWPWIQL 188

RESULT 8
US-08-162-402B-9
; Sequence 9, Application US/08162402B
; Patent No. 5972337
; GENERAL INFORMATION:
; APPLICANT: CERIANI, ROBERTO L.
; APPLICANT: PETERSON, JERRY A.
; APPLICANT: LAROCCA, DAVID J.
; TITLE OF INVENTION: 46 KDALTON HUMAN MILK FAT
; TITLE OF INVENTION: GLOBULE (HMF) ANTIGEN, FRAGMENTS & FUSION PROTEIN
; NUMBER OF SEQUENCES: 29
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pretty, Schroeder & Poplawski
; STREET: 444 South Flower St., 19th Floor
; CITY: Los Angeles
; STATE: CA
; COUNTRY: USA
; ZIP: 90071
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/162,402B
; FILING DATE: 03-DEC-1993
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Amzel, Viviana
; REGISTRATION NUMBER: 30,930
; REFERENCE/DOCKET NUMBER: P66 38215
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 213-622-7700
; TELEFAX: 213-489-4210
; TELEX:
; INFORMATION FOR SEQ ID NO: 9:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 463 amino acids
; TYPE: amino acid
; STRANDEDNESS: unknown
; TOPOLOGY: unknown
; MOLECULE TYPE: peptide
US-08-162-402B-9

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QY 84 HNGGTCEISEAYRGDTFIGYVCKPRGFNGIHQHNINECEAEPCRNNGGICTDLVANYSC 143
Db 959 KNGGTC-----SDYVNSYTKCQAGFDGVHCENNINECTESSCFNGGTCVDGINSFSC 1011
QY 144 ECPGEFMGRNCQY---KCSGH 161
Db 1012 LCPVGFTGSFCLHEINECSSH 1032

RESULT 14

US-08-083-590A-19
; Sequence 19, Application US/08083590A
; Patent No. 5786158
; GENERAL INFORMATION:
; APPLICANT: Artavanis-Tsakonas, S. et al.
; TITLE OF INVENTION: Therapeutic And Diagnostic Methods
; TITLE OF INVENTION: And Compositions Based On No. 5786158ch Proteins And
; TITLE OF INVENTION: Nucleic Acids
; NUMBER OF SEQUENCES: 21
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: U.S.A.
; ZIP: 10036

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/083,590A
FILING DATE: 25-JUN-1993
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Misrock, S. Leslie
REGISTRATION NUMBER: 18,872
REFERENCE/DOCKET NUMBER: 7326-015
TELEPHONE: 212 790-9090
TELEFAX: 212 8698864/9741
TELEX: 66141 PENNIE
INFORMATION FOR SEQ ID NO: 19:
SEQUENCE CHARACTERISTICS:
LENGTH: 2471 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: unknown
MOLECULE TYPE: peptide

US-08-083-590A-19

Query Match 25.2%; Score 318; DB 1; Length 2471;
Best Local Similarity 41.1%; Pred. No. 3.4e-19;
Matches 58; Conservative 15; Mismatches 44; Indels 24; Gaps 4;

QY 24 DICNPNPCENGICLSGLADDSFSCECPGEGFAGPNCSSVVEVASDEEKPTSAGPCIPNPC 83
Db 913 DDCLANPCQNGGSCMDGV--NTFSCCLPFGTGDCKQ-----TDMNECLSEPC 958
QY 84 HNGGTCEISEAYRGDTFIGYVCKPRGFNGIHQHNINECEAEPCRNNGGICTDLVANYSC 143
Db 959 KNGGTC-----SDYVNSYTKCQAGFDGVHCENNINECTESSCFNGGTCVDGINSFSC 1011
QY 144 ECPGEFMGRNCQY---KCSGH 161
Db 1012 LCPVGFTGSFCLHEINECSSH 1032

RESULT 15

US-08-532-384-19
; Sequence 19, Application US/08532384
; Patent No. 6083904

; GENERAL INFORMATION:
; APPLICANT: Artavanis-Tsakonas, S. et al.
; TITLE OF INVENTION: Therapeutic And Diagnostic Methods
; TITLE OF INVENTION: And Compositions Based On No. 6083904ch Proteins And
; TITLE OF INVENTION: Nucleic Acids
; NUMBER OF SEQUENCES: 21
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: U.S.A.
; ZIP: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/532,384
; FILING DATE:
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/083,590
; FILING DATE: 25-JUN-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Misrock, S. Leslie
; REGISTRATION NUMBER: 18,872
; REFERENCE/DOCKET NUMBER: 7326-015
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212 790-9090
; TELEFAX: 212 8698864/9741
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 19:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2471 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: unknown
; MOLECULE TYPE: peptide
; US-08-532-384-19

Query Match 25.2%; Score 318; DB 3; Length 2471;
Best Local Similarity 41.1%; Pred. No. 3.4e-19;
Matches 58; Conservative 15; Mismatches 44; Indels 24; Gaps 4;

QY 24 DICNPNPCENGICLSGLADDSFSCECPGEGFAGPNCSSVVEVASDEEKPTSAGPCIPNPC 83
Db 913 DDCLANPCQNGGSCMDGV--NTFSCCLPFGTGDCKQ-----TDMNECLSEPC 958
QY 84 HNGGTCEISEAYRGDTFIGYVCKPRGFNGIHQHNINECEAEPCRNNGGICTDLVANYSC 143
Db 959 KNGGTC-----SDYVNSYTKCQAGFDGVHCENNINECTESSCFNGGTCVDGINSFSC 1011
QY 144 ECPGEFMGRNCQY---KCSGH 161
Db 1012 LCPVGFTGSFCLHEINECSSH 1032

Search completed: March 26, 2005, 08:07:54
Job time : 13.3829 secs

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GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: March 26, 2005, 08:04:50 ; Search time 29.2374 Seconds
(without alignments)
2502.733 Million cell updates/sec

Title: US-09-237-981E-29
Perfect score: 1263
Sequence: 1 MKHLVAAMLLVGLSLGVPQF.....INAWTAAENDRWPWITQVTG 221

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 1407402 seqs, 331100923 residues

Total number of hits satisfying chosen parameters: 1407402

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications AA:*
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4: /cgn2_6/ptodata/1/pubpaa/US06_PUBCOMB.pep.*
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11: /cgn2_6/ptodata/1/pubpaa/US09C_PUBCOMB.pep.*
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15: /cgn2_6/ptodata/1/pubpaa/US10C_PUBCOMB.pep.*
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17: /cgn2_6/ptodata/1/pubpaa/US10_NEW_PUB.pep.*
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19: /cgn2_6/ptodata/1/pubpaa/US60_NEW_PUB.pep.*
20: /cgn2_6/ptodata/1/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1167	92.4	480	14	US-10-177-293-122
2	374.5	29.7	434	16	US-10-485-360-10
3	324.5	25.7	2524	15	US-10-190-115-25
4	324.5	25.7	2524	15	US-10-369-072-25
5	318.5	25.2	1064	14	US-10-173-461-5
6	318	25.2	1473	15	US-10-190-115-4
7	318	25.2	1473	15	US-10-369-072-4
8	318	25.2	2203	16	US-10-322-281-726
9	318	25.2	2471	17	US-10-765-727-23
10	318	25.2	2471	17	US-10-846-989-57
11	318	25.2	2471	17	US-10-764-415B-40
12	317.5	25.1	721	9	US-09-908-322-5
13	317.5	25.1	721	10	US-09-783-931-5

14	317.5	25.1	721	14	US-10-417-719-7	Sequence 7, Appli
15	317.5	25.1	721	15	US-10-042-865-109	Sequence 109, App
16	316	25.0	572	10	US-09-900-449A-7	Sequence 7, Appli
17	314	24.9	2469	15	US-10-190-115-2	Sequence 2, Appli
18	314	24.9	2469	15	US-10-369-072-2	Sequence 2, Appli
19	312.5	24.7	728	9	US-09-908-322-2	Sequence 2, Appli
20	312.5	24.7	728	10	US-09-783-931-2	Sequence 2, Appli
21	312.5	24.7	2531	15	US-10-190-115-29	Sequence 29, Appl
22	312.5	24.7	2531	15	US-10-369-072-29	Sequence 29, Appl
23	312.5	24.7	2531	15	US-10-072-012-470	Sequence 470, App
24	312.5	24.7	2531	15	US-10-072-012-471	Sequence 471, App
25	312	24.7	729	14	US-10-417-719-8	Sequence 8, Appli
26	311	24.6	2447	15	US-10-190-115-28	Sequence 28, Appl
27	311	24.6	2447	15	US-10-369-072-28	Sequence 28, Appl
28	305.5	24.2	714	15	US-10-042-865-108	Sequence 108, App
29	305.5	24.2	717	14	US-10-417-719-9	Sequence 9, Appli
30	304	24.1	702	9	US-09-995-593A-4	Sequence 4, Appli
31	304	24.1	723	9	US-09-828-366-21	Sequence 21, Appl
32	304	24.1	723	9	US-09-995-593A-9	Sequence 9, Appli
33	304	24.1	723	14	US-10-028-072-346	Sequence 346, App
34	304	24.1	723	14	US-10-140-808-346	Sequence 346, App
35	304	24.1	723	14	US-10-121-049-346	Sequence 346, App
36	304	24.1	723	14	US-10-123-904-346	Sequence 346, App
37	304	24.1	723	14	US-10-140-470-346	Sequence 346, App
38	304	24.1	723	14	US-10-175-746-346	Sequence 346, App
39	304	24.1	723	14	US-10-176-918-346	Sequence 346, App
40	304	24.1	723	14	US-10-176-921-346	Sequence 346, App
41	304	24.1	723	14	US-10-137-865-346	Sequence 346, App
42	304	24.1	723	14	US-10-140-474-346	Sequence 346, App
43	304	24.1	723	14	US-10-142-431-346	Sequence 346, App
44	304	24.1	723	14	US-10-143-114-346	Sequence 346, App
45	304	24.1	723	14	US-10-142-419-346	Sequence 346, App

ALIGNMENTS

RESULT 1

US-10-177-293-122
; Sequence 122, Application US/10177293
; Publication No. US20030124128A1
; GENERAL INFORMATION:
; APPLICANT: Lillie, James
; APPLICANT: Glatt, Karen
; APPLICANT: Zhao, Xumei
; APPLICANT: Gannavarpu, Manjula
; APPLICANT: Kamatkar, Shubhangi
; APPLICANT: Mertens, Maureen
; APPLICANT: Myer, Vic
; APPLICANT: Wang, Youzhen
; APPLICANT: Xu, Yongyao
; APPLICANT: Hoersch, Sebastian
; APPLICANT: Monahan, John
; APPLICANT: Meyers, Rachel E.
; APPLICANT: Bast Jr., Robert C.
; APPLICANT: Hortobagyi, Gabriel N.
; APPLICANT: Pusztai, LaJos
; APPLICANT: Meric, Funda
; APPLICANT: Sahin, Aysegul
; APPLICANT: Mills, Gordon B.
; TITLE OF INVENTION: COMPOSITIONS, KITS, AND METHODS FOR IDENTIFICATION, ASSESSMENT,
; FILE REFERENCE: PREVENTION, AND THERAPY OF BREAST CANCER
; FILE REFERENCE: MRI-038
; CURRENT APPLICATION NUMBER: US/10/177,293
; CURRENT FILING DATE: 2002-06-21
; PRIOR APPLICATION NUMBER: US 60/299,887
; PRIOR FILING DATE: 2001-06-21
; PRIOR APPLICATION NUMBER: US 60/301,572
; PRIOR FILING DATE: 2001-06-27
; PRIOR APPLICATION NUMBER: US 60/306,501
; PRIOR FILING DATE: 2001-07-18
; PRIOR APPLICATION NUMBER: US 60/325,002
; PRIOR FILING DATE: 2001-09-25

; PRIOR APPLICATION NUMBER: US 60/362,585
; PRIOR FILING DATE: 2002-03-05
; PRIOR APPLICATION NUMBER: US 60/xxx,xxx
; PRIOR FILING DATE: 2002-05-14
; NUMBER OF SEQ ID NOS: 506
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 122
; LENGTH: 480
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-177-293-122

Query Match 92.4%; Score 1167; DB 14; Length 480;
Best Local Similarity 91.8%; Pred. No. 6.4e-95;
Matches 202; Conservative 6; Mismatches 12; Indels 0; Gaps 0;

QY 1 MKHLVAALLVGLSLGVPQFGKGDICNPNCENGIGICLSGLADDSFSCCEPGEFAGPNC 60
Db 1 MKRSVAVWLLVGLSLGVPQFGKGDICDPNCPENGIGICLPGLADGFSCECPDGTDPNCS 60

QY 61 SVVEVASDEEKPTSAQPCIPNCPCHNGGTCEISEAYRGDTFIFYVCKCPRGFNGIHCQHN 120
Db 61 SVVEVASDEEPTSAQCTPNPCHNGGTCEISEAYRGDTFIFYVCKCPRGFNGIHCQHN 120

QY 121 NECEAEPCRNNGGICTDLVANYSCPCPGEFMGRNCQYKCSGHLGIEGGIISNQOITASSNH 180
Db 121 NECEVEPCKNGGICTDLVANYSCPCPGEFMGRNCQYKCSGPLGIEGGIISNQOITASSTH 180

QY 181 RALFGLQKWYPYARLNKKGLINAWTAAENDRWPIQTV 220
Db 181 RALFGLQKWYPYARLNKKGLINAWTAAENDRWPIQINL 220

RESULT 2
US-10-485-360-10
; Sequence 10, Application US/10485360
; Publication No. US20040197314A1
; GENERAL INFORMATION:
; APPLICANT: Delcayre, Alain
; APPLICANT: Le Pecq, Jean-Bernard
; TITLE OF INVENTION: Methods and Compounds for the Targeting of Protein to Exosomes
; FILE REFERENCE: B0094WO
; CURRENT APPLICATION NUMBER: US/10/485,360
; CURRENT FILING DATE: 2004-01-30
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 10
; LENGTH: 434
; TYPE: PRT
; ORGANISM: Mus sp.
US-10-485-360-10

Query Match 29.7%; Score 374.5; DB 16; Length 434;
Best Local Similarity 36.7%; Pred. No. 7.6e-25;
Matches 73; Conservative 25; Mismatches 50; Indels 51; Gaps 4;

QY 23 GDICNPNCENGIGICLSGLADDSFSCCEPGEFAGPNCSSVVEVASDEEKPTSAGCIPNP 82
Db 25 GDFCDSSILCLNGGTCLTG-QDNDIYCLCPEGFTGLVCNE-----TERGPCSPNP 72

QY 83 CHNGGTCEIS-EAYRGDTFIFYVCKCPRGFNGIHCQHNINECEAEPCRNNGGICTDLVANY 141
Db 73 CYNDAKCLVTLDTQRGDIFFEYICQCPVGYSGIHCETG----- 110

QY 142 SCECPGEFMGRNCQYKCSGHLGIEGGIISNQOITASSNHRALFGLQKWYPYARLNKKGL 201
Db 111 -----CSTQLGMEGGAIDSQISASYVMGMGLQRWGPALARLYRTGI 154

QY 202 INAWTAAENDRWPIQTV 220
Db 155 VNAWHASNYDSKPWIOVNL 173

RESULT 3
US-10-190-115-25
; Sequence 25, Application US/10190115
; Publication No. US20030207394A1
; GENERAL INFORMATION:
; APPLICANT: Alsobrook, John P. II
; APPLICANT: Boldog, Ferenc L.
; APPLICANT: Burgess, Catherine E.
; APPLICANT: Casman, Stacie J.
; APPLICANT: Grosse, William M.
; APPLICANT: Gusev, Vladimir Y.
; APPLICANT: Ji, Weizhen
; APPLICANT: Lepley, Denise M.
; APPLICANT: Liu, Xiaohong
; APPLICANT: Mezick, Amanda J.
; APPLICANT: Padigar, Muralidhara
; APPLICANT: Patturajan, Meera
; APPLICANT: Rastelli, Luca
; APPLICANT: Shen, Lei
; APPLICANT: Shenoy, Suresh G.
; APPLICANT: Shimkets, Richard A.
; APPLICANT: Spaderna, Steven K.
; APPLICANT: Spytek, Kimberly A.
; APPLICANT: Szekeres, Edward S. Jr.
; APPLICANT: Taupier, Raymond J. Jr.
; APPLICANT: Tchernev, Velizar T.
; APPLICANT: Zerhusen, Bryan D.
; APPLICANT: Voss, Edward Z.
; TITLE OF INVENTION: NOVEL PROTEINS AND NUCLEIC ACIDS ENCODING SAME
; FILE REFERENCE: 21402-050 CIP
; CURRENT APPLICATION NUMBER: US/10/190,115
; CURRENT FILING DATE: 2003-02-10
; PRIOR APPLICATION NUMBER: 60/303,168
; PRIOR FILING DATE: 2001-07-05
; PRIOR APPLICATION NUMBER: 60/368,996
; PRIOR FILING DATE: 2002-04-01
; PRIOR APPLICATION NUMBER: 60/386,816
; PRIOR FILING DATE: 2002-06-07
; PRIOR APPLICATION NUMBER: 60/215,854
; PRIOR FILING DATE: 2000-07-03
; PRIOR APPLICATION NUMBER: 60/215,856
; PRIOR FILING DATE: 2000-07-03
; PRIOR APPLICATION NUMBER: 60/215,902
; PRIOR APPLICATION NUMBER: 60/216,585,
; PRIOR FILING DATE: 2000-07-07
; PRIOR APPLICATION NUMBER: 60/216,586
; PRIOR FILING DATE: 2001-07-07
; PRIOR APPLICATION NUMBER: 60/216,722
; PRIOR FILING DATE: 2000-07-07
; PRIOR APPLICATION NUMBER: 60/218,622
; PRIOR FILING DATE: 2000-07-17
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 136
; SOFTWARE: CuraSeqList version 0.1
; SEQ ID NO 25
; LENGTH: 2524
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-190-115-25

Query Match 25.7%; Score 324.5; DB 15; Length 2524;
Best Local Similarity 32.3%; Pred. No. 1.3e-19;
Matches 64; Conservative 14; Mismatches 49; Indels 71; Gaps 6;

QY 24 DICNPNCENGIGICLSGLADDSFSCCEPGEFAGPNCSSVVEVASDEEKPTSAGCIPNP 83
Db 909 DDCQPNPCHNGGSCSDGI--NMFFCNCFAGFRGPKCEEDI-----NECASNPC 954

QY 84 HNGGT-----CEISEAYRGDTFIG-----YVCKCPRGFN 112
Db 955 KNGANCTDCVNSYTCQPFGSGIHCESNTPDCTESSCFNNGGTCIDGINFTTCQCPPGFT 1014

QY 113 GIHCQHINECEAEPCRNNGGICTDLVANYSCPCGPFMGRNCQ----- 155
Db 1015 GSYCQHDINECDKPKCLNGGTCQDSYGYKCTCPQGYTGLNCQNLVRWCDSSPCKNGGKC 1074
QY 156 -----YKC---SGHLGI 164
Db 1075 WQTNFYRCECKSGWTGV 1092

RESULT 4
US-10-369-072-25
; Sequence 25, Application US/10369072
; Publication No. US20040014081A1
; GENERAL INFORMATION:
; APPLICANT: Alsobrook II, John P
; APPLICANT: Spaderna, Stephen K
; APPLICANT: Tchernev, Velizar
; APPLICANT: Liu, Xiaohong
; APPLICANT: Shenoy, Suresh
; APPLICANT: Spytek, Kimberly
; APPLICANT: Zerhusen, Bryan
; APPLICANT: Patturajan, Meera
; APPLICANT: Taupier, Raymond T
; APPLICANT: Rastelli, Luca
; APPLICANT: Grosse, William M
; APPLICANT: Szerkeres, Edward S
; APPLICANT: Lepley, Denise M
; APPLICANT: Shen, Lei
; APPLICANT: Burgess, Catherine E
; APPLICANT: Shinkets, Richard
; APPLICANT: Padigaru, Muralidhara
; TITLE OF INVENTION: No. US20040014081a1el Proteins and Nucleic Acids Encoding Same
; FILE REFERENCE: 21402-050 CON2
; CURRENT APPLICATION NUMBER: US/10/369,072
; PRIORITY FILING DATE: 2003-02-18
; PRIORITY FILING DATE: 10/174,372
; PRIORITY FILING DATE: 2002-06-17
; PRIORITY FILING DATE: 09/898,994
; PRIORITY FILING DATE: 2001-07-03
; PRIORITY FILING DATE: 60/215,854
; PRIORITY FILING DATE: 2000-07-03
; PRIORITY FILING DATE: 60/215,856
; PRIORITY FILING DATE: 2000-07-03
; PRIORITY FILING DATE: 60/215,902
; PRIORITY FILING DATE: 2000-07-03
; PRIORITY FILING DATE: 60/216,585
; PRIORITY FILING DATE: 2000-07-07
; PRIORITY FILING DATE: 60/216,586
; PRIORITY FILING DATE: 2000-07-07
; PRIORITY FILING DATE: 60/216,722
; PRIORITY FILING DATE: 2000-07-07
; PRIORITY FILING DATE: 60/218,622
; PRIORITY FILING DATE: 60/218,992
; PRIORITY FILING DATE: 2000-07-17
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 100
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 25
; LENGTH: 2524
; TYPE: PRT
; ORGANISM: Xenopus laevis
US-10-369-072-25

Query Match 25.7%; Score 324.5; DB 15; Length 2524;
Best Local Similarity 32.3%; Pred. No. 1.3e-19;
Matches 64; Conservative 14; Mismatches 49; Indels 71; Gaps 6;
QY 24 DICPNPCENGIGICLSGLADDSFSCPCPEGAGPNCSSVVEVASDEEKPTSAGPCIPNPC 83
Db 909 DDCQPNPCNCHGSCSDGI--NMFFCNCAPAGRGPKCEEDI-----NECASNPC 954
QY 84 HNGGT-----CEISEAYRGDTFIG-----YVCKPRGFN 112

Db 955 KNGANCTDCVNSYTCTCPQFGSIHCESNTPDCTESSCFNGGTCIDGINTFTCQCPPGFT 1014
QY 113 GIHCQHINECEAEPCRNNGGICTDLVANYSCPCGPFMGRNCQ----- 155
Db 1015 GSYCQHDINECDKPKCLNGGTCQDSYGYKCTCPQGYTGLNCQNLVRWCDSSPCKNGGKC 1074
QY 156 -----YKC---SGHLGI 164
Db 1075 WQTNFYRCECKSGWTGV 1092

RESULT 5
US-10-173-461-5
; Sequence 5, Application US/10173461
; Publication No. US20030138795A1
; GENERAL INFORMATION:
; APPLICANT: Bristol-Myers Squibb Company
; TITLE OF INVENTION: POLYNUCLEOTIDE ENCODING A NOVEL HUMAN GROWTH FACTOR WITH HOMOLOG
; TITLE OF INVENTION: EPIDERMAL GROWTH FACTOR, BGS-8, EXPRESSED HIGHLY IN IMMUNE TISS
; FILE REFERENCE: D0166 NP
; CURRENT APPLICATION NUMBER: US/10/173,461
; CURRENT FILING DATE: 2002-06-14
; PRIORITY APPLICATION NUMBER: US 60/298,340
; PRIORITY FILING DATE: 2001-06-14
; NUMBER OF SEQ ID NOS: 69
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 5
; LENGTH: 1064
; TYPE: PRT
; ORGANISM: Strongylocentrotus purpuratus
US-10-173-461-5

Query Match 25.2%; Score 318.5; DB 14; Length 1064;
Best Local Similarity 34.7%; Pred. No. 1.8e-19;
Matches 70; Conservative 16; Mismatches 65; Indels 51; Gaps 7;
QY 7 AWWLVGLSLGVPPQFG-----KGDICNPNCENGIGICLSGLADDSFSCPCPEGAGPNC 59
Db 154 AWFIFSTDRNIVNRGFRITFSSDGDGDCDPNLCQNGAAC-TDLVND-YACTCPPGFTGRNC 211
QY 60 SSVVEVASDEEKPTSAGPCIPNCHNGGTCEISEAYRGDTFIGYVCKCPRGFNGIHCQH 119
Db 212 ----EIDIDE-----CASDPCQNGGACV-----DGVNGYVCNCVPGFDGDECENN 252
QY 120 INECEAEPCRNNGGICTDLVANYSCPCGPFMGRNCQ-----Y 156
Db 253 INECASSPCLNGGICVDGVNMFECTCLAGFTGVRCEVNIDECASAPCQNGGICIDGINGY 312
QY 157 KCSGHLGIEGGIISNQITASS 178
Db 313 TCSCPLGFSGDNCENNDDCCSS 334

RESULT 6
US-10-190-115-4
; Sequence 4, Application US/10190115
; Publication No. US20030207394A1
; GENERAL INFORMATION:
; APPLICANT: Alsobrook, John P. II
; APPLICANT: Boldog, Ferenc L.
; APPLICANT: Burgess, Catherine E.
; APPLICANT: Casman, Stacie J.
; APPLICANT: Grosse, William M.
; APPLICANT: Gusev, Vladimir Y.
; APPLICANT: Ji, Weizhen
; APPLICANT: Lepley, Denise M.
; APPLICANT: Liu, Xiaohong
; APPLICANT: Mezick, Amanda J.
; APPLICANT: Padigaru, Muralidhara
; APPLICANT: Patturajan, Meera
; APPLICANT: Rastelli, Luca
; APPLICANT: Shen, Lei


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; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-322-281-726

Query Match      25.2%; Score 318; DB 16; Length 2203;
Best Local Similarity 41.1%; Pred. No. 4.3e-19;
Matches 58; Conservative 15; Mismatches 44; Indels 24; Gaps 4;

QY 24 DICNPNCENGIGICLSGLADDSFSCCEPCEGAGPNCSSVVEVASDEEKPTSGPCIPNPC 83
Db 657 DDCLANPCQGGSCMDGV--NTFSCCLPLPGFTGDKCQ-----TDMNECLSEPC 702

QY 84 HNGGTCEISEAYRGDTFIGYVCKCPRGFNGIHCOHNINECEAEPCRNNGGICTDLVANYSC 143
Db 703 KNGGTC-----SDYVNSYTKCQAGFDGVHCENNINECTESSCFNGGTCVDGINSFSC 755

QY 144 ECPGEFMGRNCQY---KCSGH 161
Db 756 LCPVGFTGSFCLHEINECSSH 776
```

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RESULT 9
US-10-765-727-23
; Sequence 23, Application US/10765727
; Publication No. US20050025751A1
; GENERAL INFORMATION:
; APPLICANT: BODMER, MARK WILLIAM
; APPLICANT: BRIEND, EMMANUEL CYRILLE PASCAL
; APPLICANT: CHAMPION, BRIAN ROBERT
; APPLICANT: YOUNG, LESLEY LYNN
; TITLE OF INVENTION: MODULATORS OF NOTCH SIGNALLING FOR USE IN IMMUNOTHERAPY
; FILE REFERENCE: 674525-2010
; CURRENT APPLICATION NUMBER: US/10/765,727
; CURRENT FILING DATE: 2004-01-23
; PRIOR APPLICATION NUMBER: PCT/GB02/03426
; PRIOR FILING DATE: 2002-07-25
; PRIOR APPLICATION NUMBER: GB 0118153.6
; PRIOR FILING DATE: 2001-07-25
; PRIOR APPLICATION NUMBER: GB 0207930.9
; PRIOR FILING DATE: 2002-04-05
; PRIOR APPLICATION NUMBER: GB 0212282.8
; PRIOR FILING DATE: 2002-05-28
; PRIOR APPLICATION NUMBER: GB 0212283.6
; PRIOR FILING DATE: 2002-05-28
; NUMBER OF SEQ ID NOS: 40
; SOFTWARE: PatentIn Ver. 3.2
; SEQ ID NO 23
; LENGTH: 2471
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-765-727-23
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Query Match      25.2%; Score 318; DB 17; Length 2471;
Best Local Similarity 41.1%; Pred. No. 4.8e-19;
Matches 58; Conservative 15; Mismatches 44; Indels 24; Gaps 4;

QY 24 DICNPNCENGIGICLSGLADDSFSCCEPCEGAGPNCSSVVEVASDEEKPTSGPCIPNPC 83
Db 913 DDCLANPCQGGSCMDGV--NTFSCCLPLPGFTGDKCQ-----TDMNECLSEPC 958

QY 84 HNGGTCEISEAYRGDTFIGYVCKCPRGFNGIHCOHNINECEAEPCRNNGGICTDLVANYSC 143
Db 959 KNGGTC-----SDYVNSYTKCQAGFDGVHCENNINECTESSCFNGGTCVDGINSFSC 1011

QY 144 ECPGEFMGRNCQY---KCSGH 161
Db 1012 LCPVGFTGSFCLHEINECSSH 1032
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RESULT 10
US-10-846-989-57
; Sequence 57, Application US/10846989
; Publication No. US20050026831A1
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; GENERAL INFORMATION:
; APPLICANT: BODMER, MARK WILLIAM
; APPLICANT: BRIEND, EMMANUEL CYRILLE PASCAL
; APPLICANT: CHAMPION, BRIAN ROBERT
; APPLICANT: LENNARD, ANDREW CHRISTOPHER
; APPLICANT: MCKENZIE, GRAHAME JAMES
; APPLICANT: RAGNO, SILVIA
; APPLICANT: TUGAL, TAMARA
; APPLICANT: YOUNG, LESLEY LYNN
; TITLE OF INVENTION: MEDICAL TREATMENT
; FILE REFERENCE: 654525-2012
; CURRENT APPLICATION NUMBER: US/10/846,989
; CURRENT FILING DATE: 2004-05-14
; PRIOR APPLICATION NUMBER: PCT/GB02/05133
; PRIOR FILING DATE: 2002-11-13
; PRIOR APPLICATION NUMBER: GB 0127271.5
; PRIOR FILING DATE: 2001-11-14
; PRIOR APPLICATION NUMBER: GB 0220913.8
; PRIOR FILING DATE: 2002-09-10
; NUMBER OF SEQ ID NOS: 68
; SOFTWARE: PatentIn Ver. 3.2
; SEQ ID NO 57
; LENGTH: 2471
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-846-989-57

Query Match      25.2%; Score 318; DB 17; Length 2471;
Best Local Similarity 41.1%; Pred. No. 4.8e-19;
Matches 58; Conservative 15; Mismatches 44; Indels 24; Gaps 4;

QY 24 DICNPNCENGIGICLSGLADDSFSCCEPCEGAGPNCSSVVEVASDEEKPTSGPCIPNPC 83
Db 913 DDCLANPCQGGSCMDGV--NTFSCCLPLPGFTGDKCQ-----TDMNECLSEPC 958

QY 84 HNGGTCEISEAYRGDTFIGYVCKCPRGFNGIHCOHNINECEAEPCRNNGGICTDLVANYSC 143
Db 959 KNGGTC-----SDYVNSYTKCQAGFDGVHCENNINECTESSCFNGGTCVDGINSFSC 1011

QY 144 ECPGEFMGRNCQY---KCSGH 161
Db 1012 LCPVGFTGSFCLHEINECSSH 1032
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RESULT 11
US-10-764-415B-40
; Sequence 40, Application US/10764415B
; Publication No. US20050059093A1
; GENERAL INFORMATION:
; APPLICANT: LoranTis Ltd.
; TITLE OF INVENTION: Modulations of Notch signalling for use in Immunotherapy
; FILE REFERENCE: P011073US
; CURRENT APPLICATION NUMBER: US/10/764,415B
; CURRENT FILING DATE: 2004-01-23
; PRIOR APPLICATION NUMBER: GB0118153.6
; PRIOR FILING DATE: 2001-07-01
; PRIOR APPLICATION NUMBER: GB0207930.9
; PRIOR FILING DATE: 2002-04-05
; PRIOR APPLICATION NUMBER: GB0212283.6
; PRIOR FILING DATE: 2002-05-28
; PRIOR APPLICATION NUMBER: GB0212282.8
; PRIOR FILING DATE: 2002-05-28
; NUMBER OF SEQ ID NOS: 40
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 40
; LENGTH: 2471
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-764-415B-40
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Query Match      25.2%; Score 318; DB 17; Length 2471;
Best Local Similarity 41.1%; Pred. No. 4.8e-19;
Matches 58; Conservative 15; Mismatches 44; Indels 24; Gaps 4;
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QY 80 -----PNPCHNGGTCEISEAYRGDTFTIGYVCKPRGF 111
Db 385 DNPDDGGYICFCVPVGYSGFNCCKIDYCSSNPCANGARCE-----DLGNSYICQCEGF 437
QY 112 NGIHCOHNINECEAEPCRNNGGICTDLVANYSCPCGPFMRNCQY---KCSGHLGIEGGI 168
Db 438 SGRNCDNLDCTSPPCQNGGTCDGINDYSCTPPGYIGKNCMPITKCE-HNPCHNGA 496
QY 169 ISNQITASSNHRAL-----FGLQKWYPYARLNKKGLINAWTAAENDRWPP 215
Db 497 TCHER-----NNRYVCQCARGYGNNCQFLLPEKPVVVDLTK-----YTEGSGQFPW 546
QY 216 IQVTVG 221
Db 547 IAVCAG 552

RESULT 14
US-10-417-719-7
; Sequence 7, Application US/10417719
; Publication No. US20030180784A1
; GENERAL INFORMATION:
; APPLICANT: Millennium Pharmaceuticals, Inc
; APPLICANT: McCarthy, Sean
; APPLICANT: Gearing, David
; TITLE OF INVENTION: HUMAN DELTA3 AND USES THEREOF
; FILE REFERENCE: MBIO1997-002CP2M
; CURRENT APPLICATION NUMBER: US/10/417,719
; PRIOR FILING DATE: 2003-04-17
; PRIOR APPLICATION NUMBER: US/09/568,218
; PRIOR FILING DATE: 2000-05-09
; PRIOR APPLICATION NUMBER: 08/872,855
; PRIOR FILING DATE: 1997-06-11
; PRIOR APPLICATION NUMBER: 08/832,633
; PRIOR FILING DATE: 1997-04-04
; NUMBER OF SEQ ID NOS: 52
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 7
; LENGTH: 721
; TYPE: PRT
; ORGANISM: Xenopus laevis
US-10-417-719-7

Query Match 25.1%; Score 317.5; DB 14; Length 721;
Best Local Similarity 28.5%; Pred. No. 1.4e-19;
Matches 70; Conservative 33; Mismatches 66; Indels 77; Gaps 9;

QY 26 CNPNPCENGICLSGLADDSFSCCEPGEFAGPNCSSVVEVASDEEKPTSAGPCI----- 79
Db 334 CDANPCKNGGSCSD--LENSYTCSCPPGFYGNKCELSAMTCAD-----GPCFNGGRCA 384
QY 80 -----PNPCHNGGTCEISEAYRGDTFTIGYVCKPRGF 111
Db 385 DNPDDGGYICFCVPVGYSGFNCCKIDYCSSNPCANGARCE-----DLGNSYICQCEGF 437
QY 112 NGIHCOHNINECEAEPCRNNGGICTDLVANYSCPCGPFMRNCQY---KCSGHLGIEGGI 168
Db 438 SGRNCDNLDCTSPPCQNGGTCDGINDYSCTPPGYIGKNCMPITKCE-HNPCHNGA 496
QY 169 ISNQITASSNHRAL-----FGLQKWYPYARLNKKGLINAWTAAENDRWPP 215
Db 497 TCHER-----NNRYVCQCARGYGNNCQFLLPEKPVVVDLTK-----YTEGSGQFPW 546
QY 216 IQVTVG 221
Db 547 IAVCAG 552

RESULT 15
US-10-042-865-109
; Sequence 109, Application US/10042865
; Publication No. US20040029216A1

; GENERAL INFORMATION:
; APPLICANT: Padigaru, Muralidhara
; APPLICANT: Li, Li
; APPLICANT: Zerhusen, Bryan D
; APPLICANT: Casman, Stacie J
; APPLICANT: Shenoy, Suresh G
; APPLICANT: Spytek, Kimberly
; APPLICANT: Zhong, Mei
; APPLICANT: Gangolli, Esha A
; APPLICANT: Burgess, Catherine E
; APPLICANT: Patturajan, Meera
; APPLICANT: Vernet, Corine A.M
; APPLICANT: Taylor, Sarah
; APPLICANT: Tchernev, Velizar T
; APPLICANT: Miller, Charles E
; APPLICANT: Guo, Xiaojia
; APPLICANT: Boldog, Ference L
; APPLICANT: Grosse, William M
; APPLICANT: Alsobrook II, John P
; APPLICANT: Gerlach, Valerie L
; APPLICANT: Edinger, Shlomit R
; APPLICANT: Rotherberg, Mark E
; APPLICANT: Ellerman, Karen
; APPLICANT: MacDougall, John
; APPLICANT: Malyankar, Uriel M
; APPLICANT: Millet, Isabelle
; APPLICANT: Peyman, John
; APPLICANT: Smithson, Glennnda
; APPLICANT: Gunther, Erik
; APPLICANT: Stone, David
; TITLE OF INVENTION: Proteins, Polynucleotides Encoding Them and Methods of
; TITLE OF INVENTION: Using the Same
; FILE REFERENCE: 21402-537
; CURRENT APPLICATION NUMBER: US/10/042,865
; CURRENT FILING DATE: 2002-05-17
; PRIOR APPLICATION NUMBER: 60/260,417
; PRIOR FILING DATE: 2001-01-09
; PRIOR APPLICATION NUMBER: 60/260,831
; PRIOR FILING DATE: 2001-01-10
; PRIOR APPLICATION NUMBER: 60/272,338
; PRIOR FILING DATE: 2001-02-28
; PRIOR APPLICATION NUMBER: 60/274,876
; PRIOR FILING DATE: 2001-03-09
; PRIOR APPLICATION NUMBER: 60/284,704
; PRIOR FILING DATE: 2001-04-18
; NUMBER OF SEQ ID NOS: 264
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 109
; LENGTH: 721
; TYPE: PRT
; ORGANISM: Xenopus laevis
US-10-042-865-109

Query Match 25.1%; Score 317.5; DB 15; Length 721;
Best Local Similarity 28.5%; Pred. No. 1.4e-19;
Matches 70; Conservative 33; Mismatches 66; Indels 77; Gaps 9;

QY 26 CNPNPCENGICLSGLADDSFSCCEPGEFAGPNCSSVVEVASDEEKPTSAGPCI----- 79
Db 334 CDANPCKNGGSCSD--LENSYTCSCPPGFYGNKCELSAMTCAD-----GPCFNGGRCA 384
QY 80 -----PNPCHNGGTCEISEAYRGDTFTIGYVCKPRGF 111
Db 385 DNPDDGGYICFCVPVGYSGFNCCKIDYCSSNPCANGARCE-----DLGNSYICQCEGF 437
QY 112 NGIHCOHNINECEAEPCRNNGGICTDLVANYSCPCGPFMRNCQY---KCSGHLGIEGGI 168
Db 438 SGRNCDNLDCTSPPCQNGGTCDGINDYSCTPPGYIGKNCMPITKCE-HNPCHNGA 496
QY 169 ISNQITASSNHRAL-----FGLQKWYPYARLNKKGLINAWTAAENDRWPP 215
Db 497 TCHER-----NNRYVCQCARGYGNNCQFLLPEKPVVVDLTK-----YTEGSGQFPW 546

us-09-237-981e-29.rapb

Wed Mar 30 17:27:07 2005

Oy 216 IQVTVG 221
| |
Db 547 IAVCAG 552

Search completed: March 26, 2005, 08:25:00
Job time : 30.2374 secs

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OM protein - protein search, using sw model

Run on: March 26, 2005, 07:56:55 ; Search time 26.951 Seconds
(without alignments)
1332.278 Million cell updates/sec

Title: US-09-237-981E-30
Perfect score: 2655
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Gapop 10.0 , Gapext 0.5

Searched: 513545 seqs, 74649064 residues

Total number of hits satisfying chosen parameters: 513545

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

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1	2641	99.5	513	2	US-08-480-229C-14
2	2641	99.5	513	2	US-08-659-235C-14
3	2494.5	94.0	480	2	US-08-480-229C-10
4	2494.5	94.0	480	2	US-08-659-235C-10
5	2428.5	91.5	448	4	US-09-949-016-10130
6	1723	64.9	321	2	US-08-480-229C-21
7	1723	64.9	321	2	US-08-659-235C-21
8	1132.5	42.7	221	2	US-08-480-229C-29
9	1132.5	42.7	221	2	US-08-659-235C-29
10	1114	42.0	463	2	US-08-162-402B-9
11	1097.5	41.3	465	2	US-08-162-402B-8
12	997.5	37.6	387	2	US-08-162-402B-6
13	914	34.4	320	2	US-08-480-229C-20
14	914	34.4	320	2	US-08-659-235C-20
15	655	24.7	2319	1	US-08-212-133A-8
16	655	24.7	2319	1	US-08-474-503-6
17	655	24.7	2319	2	US-08-670-707A-6
18	655	24.7	2319	3	US-09-037-601-6
19	655	24.7	2319	3	US-09-315-179-6
20	655	24.7	2319	4	US-09-523-656-28
21	655	24.7	2319	5	PCT-US94-13200-6
22	654.5	24.7	2183	3	US-08-746-111-5
23	642.5	24.2	2224	4	US-09-054-272-38
24	640.5	24.1	2304	3	US-09-324-867-4
25	634	23.9	2332	1	US-08-276-594A-2
26	631	23.8	2351	6	5422260-1
27	631	23.8	2351	6	5422260-1

28	630	23.7	1438	3	US-09-209-916-1	Sequence 1, Appli
29	630	23.7	1457	4	US-09-001-039B-47	Sequence 47, Appl
30	630	23.7	1471	1	US-08-683-839B-3	Sequence 3, Appli
31	630	23.7	1661	2	US-08-882-083-2	Sequence 2, Appli
32	630	23.7	1661	2	US-08-558-107-2	Sequence 2, Appli
33	630	23.7	1661	3	US-09-243-539-2	Sequence 2, Appli
34	630	23.7	2332	1	US-07-864-004B-4	Sequence 4, Appli
35	630	23.7	2332	1	US-08-251-937A-4	Sequence 4, Appli
36	630	23.7	2332	1	US-08-212-133A-2	Sequence 2, Appli
37	630	23.7	2332	1	US-08-474-503-2	Sequence 2, Appli
38	630	23.7	2332	2	US-08-670-707A-2	Sequence 2, Appli
39	630	23.7	2332	3	US-09-037-601-2	Sequence 2, Appli
40	630	23.7	2332	3	US-09-324-867-3	Sequence 3, Appli
41	630	23.7	2332	3	US-09-315-179-2	Sequence 2, Appli
42	630	23.7	2332	4	US-09-523-656-2	Sequence 2, Appli
43	630	23.7	2332	4	US-09-957-641A-2	Sequence 2, Appli
44	630	23.7	2332	5	PCT-US93-03275-4	Sequence 4, Appli
45	630	23.7	2332	5	PCT-US94-13200-2	Sequence 2, Appli

ALIGNMENTS

RESULT 1
US-08-480-229C-14
; Sequence 14, Application US/08480229C
; Patent No. 5874562
; GENERAL INFORMATION:
; APPLICANT: Quettermous, Thomas
; APPLICANT: Hogan, Brigid
; APPLICANT: Snodgrass, H. Ralph
; APPLICANT: Zupancic, Thomas J.
; TITLE OF INVENTION: DEVELOPMENTALLY-REGULATED ENDOTHELIAL
; TITLE OF INVENTION: CELL LOCUS-1
; NUMBER OF SEQUENCES: 29
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds LLP
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: United States
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/480,229C
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Poissant, Brian M.
; REGISTRATION NUMBER: 28,462
; REFERENCE/DOCKET NUMBER: 8907-0026-999
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 790-9090
; TELEFAX: (212) 869-8864/9741
; TELEX: 66141 Pennie
; INFORMATION FOR SEQ ID NO: 14:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 513 amino acids
; TYPE: amino acid
; STRANDEDNESS: unknown
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-480-229C-14

Query Match 99.5%; Score 2641; DB 2; Length 513;
Best Local Similarity 99.0%; Pred. No. 3.3e-209;
Matches 476; Conservative 0; Mismatches 5; Indels 0; Gaps 0;
QY 1 MKRSVAVWLLVGLSLGVDPFGKGDICDPNCPENGICLPGLAVGSFSCPCPDGFTDPNCS 60

Db 33 MKRSVAVWLLVGLSLGVPOFGKGDICDPNCPENGICLPLGLAVGSFSCPCPDGFTDPNCS 92
QY 61 SVVEVASDEEPTSAGCTPNPCHNGGTCEISEAYRGDTFVGVCKCPRGFNGIHCQHN1 120
Db 93 SVVEVASDEEPTSAGCTPNPCHNGGTCEISEAYRGDTFVGVCKCPRGFNGIHCQHN1 152
QY 121 NECEVEPCKNGGICTDLVANYSCPCGPFMGRCNQYKCSGPLGIEGGIISNQITASSTH 180
Db 153 NECEVEPCKNGGICTDLVANYSCPCGPFMGRCNQYKCSGPLGIEGGIISNQITASSTH 212
QY 181 RALFGLQKWYPYARLNKKGLINAWTAAENDRWNRWIOINLQKMRVTGVIITQGAKRIGS 240
Db 213 RALFGLQKWYPYARLNKKGLINAWTAAENDRWNRWIOINLQKMRVTGVIITQGAKRIGS 272
QY 241 PEYIKFYKIAYSNDGKTWAMYKVGKTNEDMVFRGNIDNNTPYANSFTPPIKAQYVRLYPQ 300
Db 273 PEYIKFYKIAYSNDGKTWAMYKVGKTNEDMVFRGNIDNNTPYANSFTPPIKAQYVRLYPQ 332
QY 301 VCRRHCTLRMELLCGELSGCSEPLGKSGHIQDYQITASSIFRTLNDMFTWEPRKARLD 360
Db 333 VCRRHCTLRMELLCGELSGCSEPLGKSGHIQDYQITASSIFRTLNDMFTWEPRKARLD 392
QY 361 KQGVNAWTSGHNDQSQWLQVLLVPTKVTGIIITQGAQXGHVQFVGSYKLAYSNDGEHW 420
Db 393 KQGVNAWTSGHNDQSQWLQVLLVPTKVTGIIITQGAQDFGHVQFVGSYKLAYSNDGEHW 452
QY 421 TVXQDEKQKDKVXQGNFNDTHRKNVIDPPIYARHIRILPWSWYGRITLASELLGCTEE 480
Db 453 TVYQDEKQKDKVXQGNFNDTHRKNVIDPPIYARHIRILPWSWYGRITLASELLGCTEE 512
QY 481 E 481
Db 513 E 513

RESULT 2
US-08-659-235C-14
; Sequence 14, Application US/08659235C
; Patent No. 5877281
; GENERAL INFORMATION:
; APPLICANT: Quettermous, Thomas
; APPLICANT: Hogan, Brigid
; APPLICANT: Snodgrass, H. Ralph
; APPLICANT: Zupancic, Thomas J.
; TITLE OF INVENTION: DEVELOPMENTALLY-REGULATED ENDOTHELIAL
; TITLE OF INVENTION: CELL LOCUS-1
; NUMBER OF SEQUENCES: 29
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds LLP
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: United States
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/659,235C
; FILING DATE: 05-JUN-1996
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Poissant, Brian M.
; REGISTRATION NUMBER: 28,462
; REFERENCE/DOCKET NUMBER: 8907-0034-999
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 790-9090
; TELEFAX: (212) 869-8864/9741
; TELEX: 66141 pennie
; INFORMATION FOR SEQ ID NO: 14:

; SEQUENCE CHARACTERISTICS:
; LENGTH: 513 amino acids
; TYPE: amino acid
; STRANDEDNESS: unknown
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-659-235C-14
Query Match 99.5%; Score 2641; DB 2; Length 513;
Best Local Similarity 99.0%; Pred. No. 3.3e-209;
Matches 476; Conservative 0; Mismatches 5; Indels 0; Gaps 0;
QY 1 MKRSVAVWLLVGLSLGVPOFGKGDICDPNCPENGICLPLGLAVGSFSCPCPDGFTDPNCS 60
Db 33 MKRSVAVWLLVGLSLGVPOFGKGDICDPNCPENGICLPLGLAVGSFSCPCPDGFTDPNCS 92
QY 61 SVVEVASDEEPTSAGCTPNPCHNGGTCEISEAYRGDTFVGVCKCPRGFNGIHCQHN1 120
Db 93 SVVEVASDEEPTSAGCTPNPCHNGGTCEISEAYRGDTFVGVCKCPRGFNGIHCQHN1 152
QY 121 NECEVEPCKNGGICTDLVANYSCPCGPFMGRCNQYKCSGPLGIEGGIISNQITASSTH 180
Db 153 NECEVEPCKNGGICTDLVANYSCPCGPFMGRCNQYKCSGPLGIEGGIISNQITASSTH 212
QY 181 RALFGLQKWYPYARLNKKGLINAWTAAENDRWNRWIOINLQKMRVTGVIITQGAKRIGS 240
Db 213 RALFGLQKWYPYARLNKKGLINAWTAAENDRWNRWIOINLQKMRVTGVIITQGAKRIGS 272
QY 241 PEYIKFYKIAYSNDGKTWAMYKVGKTNEDMVFRGNIDNNTPYANSFTPPIKAQYVRLYPQ 300
Db 273 PEYIKFYKIAYSNDGKTWAMYKVGKTNEDMVFRGNIDNNTPYANSFTPPIKAQYVRLYPQ 332
QY 301 VCRRHCTLRMELLCGELSGCSEPLGKSGHIQDYQITASSIFRTLNDMFTWEPRKARLD 360
Db 333 VCRRHCTLRMELLCGELSGCSEPLGKSGHIQDYQITASSIFRTLNDMFTWEPRKARLD 392
QY 361 KQGVNAWTSGHNDQSQWLQVLLVPTKVTGIIITQGAQXGHVQFVGSYKLAYSNDGEHW 420
Db 393 KQGVNAWTSGHNDQSQWLQVLLVPTKVTGIIITQGAQDFGHVQFVGSYKLAYSNDGEHW 452
QY 421 TVXQDEKQKDKVXQGNFNDTHRKNVIDPPIYARHIRILPWSWYGRITLASELLGCTEE 480
Db 453 TVYQDEKQKDKVXQGNFNDTHRKNVIDPPIYARHIRILPWSWYGRITLASELLGCTEE 512
QY 481 E 481
Db 513 E 513

RESULT 3
US-08-480-229C-10
; Sequence 10, Application US/08480229C
; Patent No. 5874562
; GENERAL INFORMATION:
; APPLICANT: Quettermous, Thomas
; APPLICANT: Hogan, Brigid
; APPLICANT: Snodgrass, H. Ralph
; APPLICANT: Zupancic, Thomas J.
; TITLE OF INVENTION: DEVELOPMENTALLY-REGULATED ENDOTHELIAL
; TITLE OF INVENTION: CELL LOCUS-1
; NUMBER OF SEQUENCES: 29
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds LLP
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: United States
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30


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;
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/480,229C
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Poissant, Brian M.
; REGISTRATION NUMBER: 28,462
; REFERENCE/DOCKET NUMBER: 8907-0026-999
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 790-9090
; TELEFAX: (212) 869-8864/9741
; TELEX: 66141 Pennie
; INFORMATION FOR SEQ ID NO: 10:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 480 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
;
US-08-480-229C-10

Query Match          94.0%; Score 2494.5; DB 2; Length 480;
Best Local Similarity 93.6%; Pred. No. 3.5e-197;
Matches 450; Conservative 8; Mismatches 22; Indels 1; Gaps 1;

QY 1 MKRSVAVWLLVGLSLGVLPQFGKGDICDPNCPENGCGICLPLGAVGSFCECPDGTDPNCS 60
Db 1 MKHLVAAWLLVGLSLGVLPQFGKGDICNPNPCENGCGICLSGLADDSFCECPGAGPNCS 60

QY 61 SVVEVASDEEPTPSAGPCTPNPCHNGGTCEISEAYRGDTFIFYVCKPRGFNGIHCQHN 120
Db 61 SVVEVASDEEPTPSAGPCTPNPCHNGGTCEISEAYRGDTFIFYVCKPRGFNGIHCQHN 120

QY 121 NECEVEPCNKGICTDLVANYSCPCPGEFMGRNCQYKCSGPLGIEGGIISNQITASS 180
Db 121 NECEAEPCRNKGICTDLVANYSCPCPGEFMGRNCQYKCSGHLGIEGGIISNQITASS 180

QY 181 RALFGLQKWYPYARLNKKGLINAWTAAENDRWNRWIIQINLQKMRVTGVTQAKRIG 240
Db 181 RALFGLQKWYPYARLNKKGLINAWTAAENDRW-PWIIQINLQKMRVTGVTQAKRIG 239

QY 241 PEYIKFYKIAYSNDGKTWAMYKVGKTNEVMFRGNIDNNTPYANSFTPPPIKAQYVRLYP 300
Db 240 PEYIKSYKIAYSNDGKTWAMYKVGKTNEVMFRGNVDNNTPYANSFTPPPIKAQYVRLYP 299

QY 301 VCRRHCTLRMELGCELSGCSEPLGKSGHIQDYQITASSIFRTLNMDFMTWEPKARLD 360
Db 300 ICRRHCTLRMELGCELSGCSEPLGKSGHIQDYQITASSVFRTLNMDFMTWEPKARLD 359

QY 361 KQGVNAWTSQHNDQSQWLQVLLVPTKVTGIIITQAKDXGHVQFVGSYKLAYSNDGEHW 420
Db 360 KQGVNAWTSQHNDQSQWLQVLLVPTKVTGIIITQAKDFGHVQFVGSYKLAYSNDGEHW 419

QY 421 TVXQDEKQKDKVXQGNFNDNTHRKNVIDPPIYARHILPWSWYGRITLASELLGCTEE 480
Db 420 MVHQDEKQKDKVQGNFNDNTHRKNVIDPPIYARFIRILPWSWYGRITLRSSELLGCAEE 479

QY 481 E 481
Db 480 E 480

RESULT 4
US-08-659-235C-10
; Sequence 10, Application US/08659235C
; Patent No. 5877281
; GENERAL INFORMATION:
; APPLICANT: Quattermous, Thomas
; APPLICANT: Hogan, Brigid
; APPLICANT: Snodgrass, H. Ralph
; APPLICANT: Zupancic, Thomas J.
; TITLE OF INVENTION: DEVELOPMENTALLY-REGULATED ENDOTHELIAL
; TITLE OF INVENTION: CELL LOCUS-1
; NUMBER OF SEQUENCES: 29
```

```

;
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds LLP
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: United States
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/659,235C
; FILING DATE: 05-JUN-1996
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Poissant, Brian M.
; REGISTRATION NUMBER: 28,462
; REFERENCE/DOCKET NUMBER: 8907-0034-999
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 790-9090
; TELEFAX: (212) 869-8864/9741
; TELEX: 66141 Pennie
; INFORMATION FOR SEQ ID NO: 10:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 480 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
;
US-08-659-235C-10

Query Match          94.0%; Score 2494.5; DB 2; Length 480;
Best Local Similarity 93.6%; Pred. No. 3.5e-197;
Matches 450; Conservative 8; Mismatches 22; Indels 1; Gaps 1;

QY 1 MKRSVAVWLLVGLSLGVLPQFGKGDICDPNCPENGCGICLPLGAVGSFCECPDGTDPNCS 60
Db 1 MKHLVAAWLLVGLSLGVLPQFGKGDICNPNPCENGCGICLSGLADDSFCECPGAGPNCS 60

QY 61 SVVEVASDEEPTPSAGPCTPNPCHNGGTCEISEAYRGDTFIFYVCKPRGFNGIHCQHN 120
Db 61 SVVEVASDEEPTPSAGPCTPNPCHNGGTCEISEAYRGDTFIFYVCKPRGFNGIHCQHN 120

QY 121 NECEVEPCNKGICTDLVANYSCPCPGEFMGRNCQYKCSGPLGIEGGIISNQITASS 180
Db 121 NECEAEPCRNKGICTDLVANYSCPCPGEFMGRNCQYKCSGHLGIEGGIISNQITASS 180

QY 181 RALFGLQKWYPYARLNKKGLINAWTAAENDRWNRWIIQINLQKMRVTGVTQAKRIG 240
Db 181 RALFGLQKWYPYARLNKKGLINAWTAAENDRW-PWIIQINLQKMRVTGVTQAKRIG 239

QY 241 PEYIKFYKIAYSNDGKTWAMYKVGKTNEVMFRGNIDNNTPYANSFTPPPIKAQYVRLYP 300
Db 240 PEYIKSYKIAYSNDGKTWAMYKVGKTNEVMFRGNVDNNTPYANSFTPPPIKAQYVRLYP 299

QY 301 VCRRHCTLRMELGCELSGCSEPLGKSGHIQDYQITASSIFRTLNMDFMTWEPKARLD 360
Db 300 ICRRHCTLRMELGCELSGCSEPLGKSGHIQDYQITASSVFRTLNMDFMTWEPKARLD 359

QY 361 KQGVNAWTSQHNDQSQWLQVLLVPTKVTGIIITQAKDXGHVQFVGSYKLAYSNDGEHW 420
Db 360 KQGVNAWTSQHNDQSQWLQVLLVPTKVTGIIITQAKDFGHVQFVGSYKLAYSNDGEHW 419

QY 421 TVXQDEKQKDKVXQGNFNDNTHRKNVIDPPIYARHILPWSWYGRITLASELLGCTEE 480
Db 420 MVHQDEKQKDKVQGNFNDNTHRKNVIDPPIYARFIRILPWSWYGRITLRSSELLGCAEE 479

QY 481 E 481
Db 480 E 480
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RESULT 5
US-09-949-016-10130
; Sequence 10130, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 10130
; LENGTH: 448
; TYPE: PRT
; ORGANISM: Human
US-09-949-016-10130

Query Match 91.5%; Score 2428.5; DB 4; Length 448;
Best Local Similarity 95.9%; Pred. No. 8.6e-192;
Matches 440; Conservative 0; Mismatches 8; Indels 11; Gaps 2;

QY 23 GDICDPNCPENGICLPLGLADGFSCECPDGFDPNCSSVVEVADDEEPTTSAGCTPNP 82
Db 1 GDICDPNCPENGICLPLGLADGFSCECPDGFDPNCSSVVEV-----GPCTPNP 50

QY 83 CHNGGTCEISEAYRGDTFYGVCCKPRGFNGIHCOHNECEVEPCKNGGICTDLVANY 142
Db 51 CHNGGTCEISEAYRGDTFYGVCCKPRGFNGIHCOHNECEVEPCKNGGICTDLVANY 110

QY 143 CECPEFMGRNCQKCSGPIGEGGIIISNQITASSSTRALFGLQKWYPYARLNKKGLI 202
Db 111 CECPEFMGRNCQKCSGPIGEGGIIISNQITASSSTRALFGLQKWYPYARLNKKGLI 170

QY 203 NAWTAAENDRWNRWIIQINLQKMRVTGVIQTQAKRIGSPYIKFYKIASNDGKTWAMYK 262
Db 171 NAWTAAENDRW-PWIIQINLQKMRVTGVIQTQAKRIGSPYIKFYKIASNDGKTWAMYK 229

QY 263 VKGTNEDMVFRGNIDNNTPYANSFTPIKAQYVRLYPQVRRHCTLRMELLCGELSGCSE 322
Db 230 VKGTNEDMVFRGNIDNNTPYANSFTPIKAQYVRLYPQVRRHCTLRMELLCGELSGCSE 289

QY 323 PLGKSGHIQDYQITASSIFRILNMDMFTWEPRKARLDKQKVNAWTSGHNDQSOWLQVX 382
Db 290 PLGKSGHIQDYQITASSIFRILNMDMFTWEPRKARLDKQKVNAWTSGHNDQSOWLQVD 349

QY 383 LLVPTKVTGIITQGAQKXGHVQFVGSYKLAYSNDGEHWTYQDEKQKDKVXQGNFNDT 442
Db 350 LLVPTKVTGIITQGAQKXGHVQFVGSYKLAYSNDGEHWTYQDEKQKDKVXQGNFNDT 409

QY 443 HRKNVIDPPIYARHIRILPWSWYGRITLASELLGCTEE 481
Db 410 HRKNVIDPPIYARHIRILPWSWYGRITLASELLGCTEE 448

RESULT 6
US-08-480-229C-21
; Sequence 21, Application US/08480229C
; Patent No. 5874562
; GENERAL INFORMATION:
; APPLICANT: Quertermous, Thomas
; APPLICANT: Hogan, Brigid
; APPLICANT: Snodgrass, H. Ralph
; APPLICANT: Zupancic, Thomas J.
; TITLE OF INVENTION: DEVELOPMENTALLY-REGULATED ENDOTHELIAL
; CELL LOCUS-1

NUMBER OF SEQUENCES: 29
CORRESPONDENCE ADDRESS:
ADDRESSEE: Pennie & Edmonds LLP
STREET: 1155 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: United States
ZIP: 10036-2711
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/480,229C
FILING DATE: 07-JUN-1995
CLASSIFICATION: 536
ATTORNEY/AGENT INFORMATION:
NAME: Poissant, Brian M.
REGISTRATION NUMBER: 28,462
REFERENCE/DOCKET NUMBER: 8907-0026-999
TELEPHONE: (212) 790-9090
TELEFAX: (212) 869-8864/9741
TELEX: 66141 Pennie
INFORMATION FOR SEQ ID NO: 21:
SEQUENCE CHARACTERISTICS:
LENGTH: 321 amino acids
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: unknown
MOLECULE TYPE: protein
US-08-480-229C-21

Query Match 64.9%; Score 1723; DB 2; Length 321;
Best Local Similarity 100.0%; Pred. No. 6.7e-134;
Matches 321; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 158 CSGLGIEGGIISNQITASSSTRALFGLQKWYPYARLNKKGLINAWTAAENDRWNRWI 217
Db 1 CSGLGIEGGIISNQITASSSTRALFGLQKWYPYARLNKKGLINAWTAAENDRWNRWI 60

QY 218 QINLQKMRVTGVIQTQAKRIGSPYIKFYKIASNDGKTWAMYKVGTNEDMVFRGNID 277
Db 61 QINLQKMRVTGVIQTQAKRIGSPYIKFYKIASNDGKTWAMYKVGTNEDMVFRGNID 120

QY 278 NNTPYANSFTPIKAQYVRLYPQVRRHCTLRMELLCGELSGCSEPLGKSGHIQDYQIT 337
Db 121 NNTPYANSFTPIKAQYVRLYPQVRRHCTLRMELLCGELSGCSEPLGKSGHIQDYQIT 180

QY 338 ASSIFRILNMDMFTWEPRKARLDKQKVNAWTSGHNDQSOWLQVXLLVPTKVTGIITQGA 397
Db 181 ASSIFRILNMDMFTWEPRKARLDKQKVNAWTSGHNDQSOWLQVXLLVPTKVTGIITQGA 240

QY 398 KDXGHVQFVGSYKLAYSNDGEHWTYQDEKQKDKVXQGNFNDTHRKNVIDPPIYARHI 457
Db 241 KDXGHVQFVGSYKLAYSNDGEHWTYQDEKQKDKVXQGNFNDTHRKNVIDPPIYARHI 300

QY 458 RILPWSWYGRITLASELLGCT 478
Db 301 RILPWSWYGRITLASELLGCT 321

RESULT 7
US-08-659-235C-21
; Sequence 21, Application US/08659235C
; Patent No. 5877281
; GENERAL INFORMATION:
; APPLICANT: Quertermous, Thomas
; APPLICANT: Hogan, Brigid
; APPLICANT: Snodgrass, H. Ralph
; APPLICANT: Zupancic, Thomas J.
; TITLE OF INVENTION: DEVELOPMENTALLY-REGULATED ENDOTHELIAL

;/ TITLE OF INVENTION: CELL LOCUS-1
;/ NUMBER OF SEQUENCES: 29
;/ CORRESPONDENCE ADDRESS:
;/ ADDRESSEE: Pennie & Edmonds LLP
;/ STREET: 1155 Avenue of the Americas
;/ CITY: New York
;/ STATE: New York
;/ COUNTRY: United States
;/ ZIP: 10036-2711
;/ COMPUTER READABLE FORM:
;/ MEDIUM TYPE: Floppy disk
;/ COMPUTER: IBM PC compatible
;/ OPERATING SYSTEM: PC-DOS/MS-DOS
;/ SOFTWARE: PatentIn Release #1.0, Version #1.30
;/ CURRENT APPLICATION DATA:
;/ APPLICATION NUMBER: US/08/659,235C
;/ FILING DATE: 05-JUN-1996
;/ CLASSIFICATION: 435
;/ ATTORNEY/AGENT INFORMATION:
;/ NAME: Poissant, Brian M.
;/ REGISTRATION NUMBER: 28,462
;/ REFERENCE/DOCKET NUMBER: 8907-0034-999
;/ TELECOMMUNICATION INFORMATION:
;/ TELEPHONE: (212) 790-9090
;/ TELEFAX: (212) 869-8864/9741
;/ TELEX: 66141 Pennie
;/ INFORMATION FOR SEQ ID NO: 21:
;/ SEQUENCE CHARACTERISTICS:
;/ LENGTH: 321 amino acids
;/ TYPE: amino acid
;/ STRANDEDNESS:
;/ TOPOLOGY: unknown
;/ MOLECULE TYPE: protein
;/ US-08-659-235C-21

Query Match 64.9%; Score 1723; DB 2; Length 321;
Best Local Similarity 100.0%; Pred. No. 6.7e-134;
Matches 321; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 158 CSGPLGIEGGIISNQITASSSTRALFGLQKWYPYARLNKKGLINAWTAENDRNRWI 217
Db 1 CSGPLGIEGGIISNQITASSSTRALFGLQKWYPYARLNKKGLINAWTAENDRNRWI 60
QY 218 QINLQKMRVTGVTQGAKRIGSPYIKFYKIAYSNDGKTWAMYKVKGTTNEDMVFRGNID 277
Db 61 QINLQKMRVTGVTQGAKRIGSPYIKFYKIAYSNDGKTWAMYKVKGTTNEDMVFRGNID 120
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Db 121 NNTPYANSFTPIKAQYVRLYPQVCRRHCTLRMELLGCELSGCSEPLGMSGHIQDYQIT 180
QY 338 ASSIFRTLNDMFTWEPRKARLDKQGVNAWTSGHNDQSQWLQVXLLVPTKVTGIIITQGA 397
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QY 398 KDXGHVQVGSYKLAYSNDGEHWTXQDEKQKDKVXQGNFNDNTHRKNVIDPPIYARHI 457
Db 241 KDXGHVQVGSYKLAYSNDGEHWTXQDEKQKDKVXQGNFNDNTHRKNVIDPPIYARHI 300
QY 458 RILPWSWYGRITLASELIGCT 478
Db 301 RILPWSWYGRITLASELIGCT 321

RESULT 8
US-08-480-229C-29
; Sequence 29, Application US/08480229C
; Patent No. 5874562
; GENERAL INFORMATION:
; APPLICANT: Quentermous, Thomas
; APPLICANT: Hogan, Brigid
; APPLICANT: Snodgrass, H. Ralph
; APPLICANT: Zupancic, Thomas J.

;/ TITLE OF INVENTION: DEVELOPMENTALLY-REGULATED ENDOTHELIAL
;/ TITLE OF INVENTION: CELL LOCUS-1
;/ NUMBER OF SEQUENCES: 29
;/ CORRESPONDENCE ADDRESS:
;/ ADDRESSEE: Pennie & Edmonds LLP
;/ STREET: 1155 Avenue of the Americas
;/ CITY: New York
;/ STATE: New York
;/ COUNTRY: United States
;/ ZIP: 10036-2711
;/ COMPUTER READABLE FORM:
;/ MEDIUM TYPE: Floppy disk
;/ COMPUTER: IBM PC compatible
;/ OPERATING SYSTEM: PC-DOS/MS-DOS
;/ SOFTWARE: PatentIn Release #1.0, Version #1.30
;/ CURRENT APPLICATION DATA:
;/ APPLICATION NUMBER: US/08/480,229C
;/ FILING DATE: 07-JUN-1995
;/ CLASSIFICATION: 536
;/ ATTORNEY/AGENT INFORMATION:
;/ NAME: Poissant, Brian M.
;/ REGISTRATION NUMBER: 28,462
;/ REFERENCE/DOCKET NUMBER: 8907-0026-999
;/ TELECOMMUNICATION INFORMATION:
;/ TELEPHONE: (212) 790-9090
;/ TELEFAX: (212) 869-8864/9741
;/ TELEX: 66141 Pennie
;/ INFORMATION FOR SEQ ID NO: 29:
;/ SEQUENCE CHARACTERISTICS:
;/ LENGTH: 221 amino acids
;/ TYPE: amino acid
;/ STRANDEDNESS: single
;/ TOPOLOGY: linear
;/ MOLECULE TYPE: protein
;/ FRAGMENT TYPE: internal
;/ US-08-480-229C-29

Query Match 42.7%; Score 1132.5; DB 2; Length 221;
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Matches 199; Conservative 6; Mismatches 15; Indels 1; Gaps 1;
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Db 1 MKHLVAAWLLVGLSLGVPOFGKGDICNPNPCENGICLSGLADDSFSCPCGFAGPNCS 60
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Db 61 SVVEVASDEEPTSGAPCTPNPCHNGGTCEISEAYRGDTFIGYVCKPCPGFNGIHCQHN 120
QY 121 NECEVEPCNKGICITDLVANSYCECPGEFMRNCQYKCSGHLGIEGGIISNQITASS 180
Db 121 NECEAEPNKGICITDLVANSYCECPGEFMRNCQYKCSGHLGIEGGIISNQITASS 180
QY 181 RALFGLQKWYPYARLNKKGLINAWTAENDRNRWIQINL 221
Db 181 RALFGLQKWYPYARLNKKGLINAWTAENDRW-PWIIQVTV 220

RESULT 9
US-08-659-235C-29
; Sequence 29, Application US/08659235C
; Patent No. 5877281
; GENERAL INFORMATION:
; APPLICANT: Quentermous, Thomas
; APPLICANT: Hogan, Brigid
; APPLICANT: Snodgrass, H. Ralph
; APPLICANT: Zupancic, Thomas J.
; TITLE OF INVENTION: DEVELOPMENTALLY-REGULATED ENDOTHELIAL
; TITLE OF INVENTION: CELL LOCUS-1
; NUMBER OF SEQUENCES: 29
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds LLP
; STREET: 1155 Avenue of the Americas


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; CITY: New York
; STATE: New York
; COUNTRY: United States
; ZIP: 10036-2711
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; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
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; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/659,235C
; FILING DATE: 05-JUN-1996
; CLASSIFICATION: 435
;
; ATTORNEY/AGENT INFORMATION:
; NAME: Poissant, Brian M.
; REGISTRATION NUMBER: 28,462
; REFERENCE/DOCKET NUMBER: 8907-0034-999
;
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 790-9090
; TELEFAX: (212) 869-8864/9741
; TELEX: 66141 Pennie
;
; INFORMATION FOR SEQ ID NO: 29:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 221 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; FRAGMENT TYPE: internal
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; US-08-659-235C-29
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; Query Match 42.7%; Score 1132.5; DB 2; Length 221;
; Best Local Similarity 90.0%; Pred. No. 1.7e-85;
; Matches 199; Conservative 6; Mismatches 15; Indels 1; Gaps 1;
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; QY 1 MKRSVAVLLVGLSLGVPQFGKGDICDPNCPENGIGICLPGLAVGFSFCECPDGTDPNCS 60
; Db 1 MKHLVAALLVGLSLGVPQFGKGDICNPNPCENGIGICLSGLADDSFCECPGAGPNCS 60
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; QY 61 SVVEVASDEEPTAGPCTPNPCHNGGTCEISEAYRGDTFIGYVCKCPRGFNGIHCQNI 120
; Db 61 SVVEVASDEEPTAGPCTPNPCHNGGTCEISEAYRGDTFIGYVCKCPRGFNGIHCQNI 120
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; QY 121 NECEVEPCNGGICTDLVANSYCECPGFMGRNCOYKCSGPLGIEGGIISNQOITASSTH 180
; Db 121 NECEVEPCNGGICTDLVANSYCECPGFMGRNCOYKCSGHLGIEGGIISNQOITASSNH 180
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; QY 181 RALFGLQKWYPYARLNKKGLINAWTAAENDRNWRWIQNL 221
; Db 181 RALFGLQKWYPYAAALNKKGLINAWTAAENDRW-PWIQVTV 220
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; RESULT 10
; US-08-162-402B-9
; Sequence 9, Application US/08162402B
; Patent No. 5972337
;
; GENERAL INFORMATION:
; APPLICANT: CERIANI, ROBERTO L.
; APPLICANT: PETERSON, JERRY A.
; APPLICANT: LAROCCA, DAVID J.
; TITLE OF INVENTION: 46 KDALTON HUMAN MILK FAT
; TITLE OF INVENTION: GLOBULE (HMFG) ANTIGEN, FRAGMENTS & FUSION PROTEIN
; NUMBER OF SEQUENCES: 29
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pretty, Schroeder & Poplawski
; STREET: 444 South Flower St., 19th Floor
; CITY: Los Angeles
; STATE: CA
; COUNTRY: USA
; ZIP: 90071
;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
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; OPERATING SYSTEM: DOS
; SOFTWARE: FastSEQ for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/162,402B
; FILING DATE: 03-DEC-1993
; CLASSIFICATION: 435
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; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
;
; ATTORNEY/AGENT INFORMATION:
; NAME: Amzel, Viviana
; REGISTRATION NUMBER: 30,930
; REFERENCE/DOCKET NUMBER: P66 38215
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 213-622-7700
; TELEFAX: 213-489-4210
; TELEX:
;
; INFORMATION FOR SEQ ID NO: 9:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 463 amino acids
; TYPE: amino acid
; STRANDEDNESS: unknown
; TOPOLOGY: unknown
; MOLECULE TYPE: peptide
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; US-08-162-402B-9
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; Query Match 42.0%; Score 1114; DB 2; Length 463;
; Best Local Similarity 47.2%; Pred. No. 1.4e-83;
; Matches 216; Conservative 72; Mismatches 148; Indels 22; Gaps 8;
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; QY 23 GDICDPNCPENGIGICLPGLAVGFSFCECPDGTDPNCSVVVEVASDEEPTAGPCTPNP 82
; Db 25 GDFCDSSICLNGGTCLTG-QDNDIYCLCEPGFTGLVCNE-----TERGPCSPNP 72
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; QY 83 CHNGGTCEIS-EAYRGDTFIGYVCKCPRGFNGIHCQHNINECEVEPCPKNGGICTDLVANY 141
; Db 73 CYNDAKCLVTLDTQRGDIFTEYICQCPVGYSGIHCETETNYNLD---GEYMFETAVPNT 129
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; QY 142 SCECPGEF--MGRNCOYKCSGPLGIEGGIISNQOITASSTHRALFGLQKWYPYARLNKK 199
; Db 130 AVPTPAPTDLNNLASRCSQLGMEGGAIADSIASIVYVMGFMGLQRPGLARLYRT 189
;
; QY 200 GLINAWTAAENDRNWRWIQNLQKMRVTGVTITQAKRIGSPYIKFYKIAYSNDGKTWA 259
; Db 190 GIVNAWHASNYDSL-PWIVNLLRKQKRVSGVMTQGASRAGRAEYLYKTFKVAYSLDGRKPE 248
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; QY 260 MYKVKGTNEDMVFRGNIDNNTPYANSFTPIKAQYVRLYPQVCRRHCTLRMELLGCELSG 319
; Db 249 FIQDE-SGGDKFELGNLNNLSKVMFNPTLEAEYIRLYPVSCRHCTLRFFELGCELHG 307
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; QY 320 CSEPLGMKSGHIQDYQITASSIFFTLNMDMFTWEPRKARLDKQKVNAWTSGHNDQSQWL 379
; Db 308 CLEPLGLKNNITIPDSQMSASSYKTNLRAFGWYPHLGRLDNQKINAWTAQNSAKEWL 367
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; QY 380 QVXLLVPTKVTGIITQGAQXGHVQFVGSYKLAISNDGEHWTYXQDEKQKDKVXQGNFD 439
; Db 368 QVDLGTQRTQVGTGIITQGAQDFGHIQYVESYKVAHSDDGVOQVTV--EEQGSKVFQGNLD 425
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; QY 440 NDTHRNKVIDPPIYARHIRILPWSWYGRITLASELLGC 477
; Db 426 NNSHKKNIFEXFPMARKVRVLPVSWHNRITLRLELLGC 463
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; RESULT 11
; US-08-162-402B-8
; Sequence 8, Application US/08162402B
; Patent No. 5972337
;
; GENERAL INFORMATION:
; APPLICANT: CERIANI, ROBERTO L.
; APPLICANT: PETERSON, JERRY A.
; APPLICANT: LAROCCA, DAVID J.
; TITLE OF INVENTION: 46 KDALTON HUMAN MILK FAT
; TITLE OF INVENTION: GLOBULE (HMFG) ANTIGEN, FRAGMENTS & FUSION PROTEIN
;
;

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QY 458 RILPWSWYGRITLASELLGC 477
Db 301 RVLPSWVHNRLRLLELLGC 320

RESULT 14
US-08-659-235C-20
; Sequence 20, Application US/08659235C
; Patent No. 5877281
; GENERAL INFORMATION:
; APPLICANT: Quertermous, Thomas
; APPLICANT: Hogan, Brigid
; APPLICANT: Snodgrass, H. Ralph
; APPLICANT: Zupancic, Thomas J.
; TITLE OF INVENTION: DEVELOPMENTALLY-REGULATED ENDOTHELIAL
; TITLE OF INVENTION: CELL LOCUS-1
; NUMBER OF SEQUENCES: 29
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds LLP
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: United States
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/659,235C
; FILING DATE: 05-JUN-1996
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Poissant, Brian M.
; REGISTRATION NUMBER: 28,462
; REFERENCE/DOCKET NUMBER: 8907-0034-999
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 790-9090
; TELEFAX: (212) 869-8864/9741
; TELEX: 66141 Pennie
; INFORMATION FOR SEQ ID NO: 20:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 320 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: unknown
; MOLECULE TYPE: protein
; US-08-659-235C-20

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QY 338 ASSIFRTLNDMFTWEPRKARLDKQGVNAWTSQHNDSQWLQVXLLVPTKVTGIITQGA 397
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Db 286 DQWLQVDLGSSKEVTGIITQAGNFGSVQFVASYKYVAYSNDSANWTEYQDPRTGSSKIFP 345
QY 436 GNFDNDTHRKXNVIDPPIYARHIRLPWSWYGRITLASELLGC 477
Db 346 GNWDNHSKKNLFTETPILARYVRILPVAWHNRRLRLLELLGC 387

RESULT 13
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; Sequence 20, Application US/08480229C
; Patent No. 5874562
; GENERAL INFORMATION:
; APPLICANT: Quertermous, Thomas
; APPLICANT: Hogan, Brigid
; APPLICANT: Snodgrass, H. Ralph
; APPLICANT: Zupancic, Thomas J.
; TITLE OF INVENTION: DEVELOPMENTALLY-REGULATED ENDOTHELIAL
; TITLE OF INVENTION: CELL LOCUS-1
; NUMBER OF SEQUENCES: 29
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds LLP
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: United States
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/480,229C
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Poissant, Brian M.
; REGISTRATION NUMBER: 28,462
; REFERENCE/DOCKET NUMBER: 8907-0026-999
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 790-9090
; TELEFAX: (212) 869-8864/9741
; TELEX: 66141 Pennie
; INFORMATION FOR SEQ ID NO: 20:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 320 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: unknown
; MOLECULE TYPE: protein
; US-08-480-229C-20

Query Match 34.4%; Score 914; DB 2; Length 320;
Best Local Similarity 53.1%; Pred. No. 2.6e-67;
Matches 170; Conservative 50; Mismatches 100; Indels 0; Gaps 0;
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Db 1 CSTQLGMEGGAIAADSQISASVYVMGFMGLQRWGPELARLYRTGIVNAWHASNYDXSKPWI 60
QY 218 QINLQRMKRVGTGVIQAKRIGSPYIKFYKIAYSNDGKTWAMYKVGKTNEDMVFRGNID 277
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QY 278 NNTPYANSFTPIKAQYVRLYPQVCRHCTLRMELLGCELSCSEPLGMKSGHIGDYQIT 337
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GenCore version 5.1.6
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(without alignments)
2502.733 Million cell updates/sec

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Gapop 10.0 , Gapext 0.5

Searched: 1407402 seqs, 331100923 residues

Total number of hits satisfying chosen parameters: 1407402

Minimum DB seq length: 0
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Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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3: /cgn2_6/ptodata/1/pubpaa/US06_NEW_PUB.pep.*
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20: /cgn2_6/ptodata/1/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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2	1104.5	41.6	434	16	US-10-485-360-10
3	1002.5	37.8	395	16	US-10-485-360-7
4	1002.5	37.8	612	16	US-10-485-360-30
5	999.5	37.6	379	15	US-10-108-260A-3405
6	998.5	37.6	387	14	US-10-190-593-4
7	937	35.3	498	16	US-10-485-360-27
8	898.5	33.8	480	16	US-10-485-360-26
9	886	33.4	343	14	US-10-190-593-2
10	826.5	31.1	343	16	US-10-485-360-8
11	821.5	30.9	335	16	US-10-408-765A-1474
12	655	24.7	2319	14	US-10-187-319-6
13	655	24.7	2319	14	US-10-131-510A-6

14	647.5	24.4	2196	15	US-10-360-101-259	Sequence 259, Appl
15	647.5	24.4	2224	14	US-10-115-563-14	Sequence 14, Appl
16	647.5	24.4	2224	14	US-10-172-712-31	Sequence 31, Appl
17	642.5	24.2	2224	16	US-10-741-601-542	Sequence 542, Appl
18	642.5	24.2	2224	17	US-10-741-600-1561	Sequence 1561, Appl
19	634	23.9	1459	15	US-10-239-498A-4	Sequence 4, Appl
20	633	23.8	1459	15	US-10-239-498A-15	Sequence 15, Appl
21	630	23.7	1438	13	US-10-006-091-1	Sequence 1, Appl
22	630	23.7	1438	13	US-10-047-257-1	Sequence 1, Appl
23	630	23.7	1438	14	US-10-225-900-1	Sequence 1, Appl
24	630	23.7	1459	15	US-10-239-498A-13	Sequence 13, Appl
25	630	23.7	1471	13	US-10-095-718-2	Sequence 2, Appl
26	630	23.7	1471	15	US-10-681-970-2	Sequence 2, Appl
27	630	23.7	2332	9	US-09-957-641-2	Sequence 2, Appl
28	630	23.7	2332	14	US-10-187-319-2	Sequence 2, Appl
29	630	23.7	2332	14	US-10-131-510A-2	Sequence 2, Appl
30	630	23.7	2332	15	US-10-445-235-2	Sequence 2, Appl
31	630	23.7	2332	15	US-10-360-101-229	Sequence 229, Appl
32	630	23.7	2332	15	US-10-239-498A-2	Sequence 2, Appl
33	630	23.7	2332	16	US-10-466-998A-1	Sequence 1, Appl
34	630	23.7	2332	16	US-10-721-997A-34	Sequence 34, Appl
35	630	23.7	2351	14	US-10-132-829-4	Sequence 4, Appl
36	630	23.7	2351	14	US-10-172-712-27	Sequence 27, Appl
37	630	23.7	2351	14	US-10-133-907-4	Sequence 4, Appl
38	630	23.7	2351	15	US-10-411-037-30	Sequence 30, Appl
39	630	23.7	2351	15	US-10-411-026-30	Sequence 30, Appl
40	630	23.7	2351	15	US-10-410-962-30	Sequence 30, Appl
41	630	23.7	2351	15	US-10-411-049-30	Sequence 30, Appl
42	630	23.7	2351	16	US-10-410-930-30	Sequence 30, Appl
43	630	23.7	2351	16	US-10-410-997-30	Sequence 30, Appl
44	630	23.7	2351	16	US-10-411-012-30	Sequence 30, Appl
45	630	23.7	2351	16	US-10-287-994-30	Sequence 30, Appl

ALIGNMENTS

RESULT 1
US-10-177-293-122
; Sequence 122, Application US/10177293
; Publication No. US20030124128A1
; GENERAL INFORMATION:
; APPLICANT: Lillie, James
; APPLICANT: Glatt, Karen
; APPLICANT: Zhao, Xumei
; APPLICANT: Gannavarpu, Manjula
; APPLICANT: Kamatkar, Shubhangi
; APPLICANT: Mertens, Maureen
; APPLICANT: Myer, Vic
; APPLICANT: Wang, Youzhen
; APPLICANT: Xu, Yongyao
; APPLICANT: Hoersch, Sebastian
; APPLICANT: Monahan, John
; APPLICANT: Meyers, Rachel E.
; APPLICANT: Bast Jr., Robert C.
; APPLICANT: Hortobagyi, Gabriel N.
; APPLICANT: Pusztai, Lajos
; APPLICANT: Meric, Funda
; APPLICANT: Sahin, Aysegul
; APPLICANT: Mills, Gordon B.
; TITLE OF INVENTION: COMPOSITIONS, KITS, AND METHODS FOR IDENTIFICATION, ASSESSMENT, PREVENTION, AND THERAPY OF BREAST CANCER
; FILE REFERENCE: MRI-038
; CURRENT APPLICATION NUMBER: US/10/177,293
; CURRENT FILING DATE: 2002-06-21
; PRIOR APPLICATION NUMBER: US 60/299,887
; PRIOR FILING DATE: 2001-06-21
; PRIOR APPLICATION NUMBER: US 60/301,572
; PRIOR FILING DATE: 2001-06-27
; PRIOR APPLICATION NUMBER: US 60/306,501
; PRIOR FILING DATE: 2001-07-18
; PRIOR APPLICATION NUMBER: US 60/325,002
; PRIOR FILING DATE: 2001-09-25

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; PRIOR APPLICATION NUMBER: US 60/362,585
; PRIOR FILING DATE: 2002-03-05
; PRIOR APPLICATION NUMBER: US 60/xxx,xxx
; PRIOR FILING DATE: 2002-05-14
; NUMBER OF SEQ ID NOS: 506
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 122
; LENGTH: 480
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-177-293-122

Query Match
Best Local Similarity 98.1%; Score 2603.5; DB 14; Length 480;
Matches 472; Conservative 0; Mismatches 8; Indels 1; Gaps 1;

QY 1 MKRSVAVLLVGLSLGVPQFGKGDICDNPCEGNGGICLPGLAVGFSCECPDGTDPNCS 60
Db 1 MKRSVAVLLVGLSLGVPQFGKGDICDNPCEGNGGICLPGLADGFSCECPDGTDPNCS 60

QY 61 SVVEVASDEEPTAGPCTPNPCHNGGTCEISEAYRGDTFYGVCCKPRGFNGIHCQHN 120
Db 61 SVVEVASDEEPTAGPCTPNPCHNGGTCEISEAYRGDTFYGVCCKPRGFNGIHCQHN 120

QY 121 NECEVEPCXNGGICTDLVANSCECPGEFMGRNCQKCSGPLGIEGGIISNQOITASSTH 180
Db 121 NECEVEPCXNGGICTDLVANSCECPGEFMGRNCQKCSGPLGIEGGIISNQOITASSTH 180

QY 181 RALFGLQKWYPYARLNKKGLINAWTAAENDRNWRWIQINLQKMRVTGVTQGAKRIGS 240
Db 181 RALFGLQKWYPYARLNKKGLINAWTAAENDRW-PWQINLQKMRVTGVTQGAKRIGS 239

QY 241 PEYIKFYKIAYSNDGKTWAMYKVGKTNEDMVFRGNIDNNTPYANSFTPPPIKAQYVRLYPQ 300
Db 240 PEYIKFYKIAYSNDGKTWAMYKVGKTNEDMVFRGNIDNNTPYANSFTPPPIKAQYVRLYPQ 299

QY 301 VCRHCTLRMELLGCELSGSEPLGKSGHIQDIYTASSIFRTLNDMTWEPKARLD 360
Db 300 VCRHCTLRMELLGCELSGSEPLGKSGHIQDIYTASSIFRTLNDMTWEPKARLD 359

QY 361 KQKVNAWTSGHNDQSQWLQVLLVPTKVTGIIITQAKDXGHVQVGSYKLAYSNDGEHW 420
Db 360 KQKVNAWTSGHNDQSQWLQVLLVPTKVTGIIITQAKDXGHVQVGSYKLAYSNDGEHW 419

QY 421 TVXQDEKQKDKVXQGNFNDTHRKNNVIDPPIYARHRIPLPWSWYGRITLASELLGCTEE 480
Db 420 TVYQDEKQKDKVXQGNFNDTHRKNNVIDPPIYARHRIPLPWSWYGRITLASELLGCTEE 479

QY 481 E 481
Db 480 E 480

RESULT 2
US-10-485-360-10
; Sequence 10, Application US/10485360
; Publication No. US20040197314A1
; GENERAL INFORMATION:
; APPLICANT: Delcayre, Alain
; APPLICANT: Le Pecq, Jean-Bernard
; TITLE OF INVENTION: Methods and Compounds for the Targeting of Protein to Exosomes
; FILE REFERENCE: B0094WO
; CURRENT APPLICATION NUMBER: US/10/485,360
; CURRENT FILING DATE: 2004-01-30
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 10
; LENGTH: 434
; TYPE: PRT
; ORGANISM: Mus sp.
US-10-485-360-10

Query Match
41.6%; Score 1104.5; DB 16; Length 434;

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Best Local Similarity 46.4%; Pred. No. 3.3e-90;
Matches 212; Conservative 66; Mismatches 124; Indels 55; Gaps 7;

QY 23 GDICDPNCPENGICLPGLAVGFSCECPDGTDPNCSVVVASDEEPTAGPCTPNP 82
Db 25 GDFCDSSLCLNGGTCLTG-QDNDIYCLCPGEGFTGLVCNE-----TERGPCSPNP 72

QY 83 CHNGGTCEIS-BAYRGDTFYGVCCKPRGFNGIHCQHNINECEVEPCXNGGICTDLVANY 141
Db 73 CYNDACKLVTLDTQRGDIFFEYICQCPVGSYGHCEGT----- 110

QY 142 SCECPGEFMGRNCQKCSGPLGIEGGIISNQOITASSTHRAFLGLOKWYPYARLNKKGL 201
Db 111 -----CSTQLGMEGGAIAADSQISASVYVMGFMGLQRMGPPELARLYRTGI 154

QY 202 INAWTAAENDRNWRWIQINLQKMRVTGVTQGAKRIGSPYIKFYKIAYSNDGKTWAMY 261
Db 155 VNAWHASNYDS-KPWIQVNLRLKMRVSGVMTQGASRAGRAEYLTFTKVAAYSLDGRKFEI 213

QY 262 KVGKTNEDMVFRGNIDNNTPYANSFTPPPIKAQYVRLYPQVCRHCTLRMELLGCELSGCS 321
Db 214 QDE-SGGDKEFLGNLNDNSLKVNFNPTLEAQYIRLYPVSCHRGCTLRFELLGCELHGCL 272

QY 322 EPLGKMSGHIQDIYTASSIFRTLNDMTWEPKARLDKQKVNAWTSGHNDQSQWLQV 381
Db 273 EPLGLKNNTIPDSQMSASSSYKTWNLRAFGWYHLGRLDNQKINAWTAQNSAKEWLQV 332

QY 382 XLLVPTKVTGIIITQAKDXGHVQVGSYKLAYSNDGEHWTVXQDEKQKDKVXQGNFND 441
Db 333 DLGTQRQVTGIIITQARDFGHIQYVESYKVAHSDDGQWTVY--EEQSSSKVFGQNLDDN 390

QY 442 THRKNVIDPPIYARHRIPLPWSWYGRITLASELLGCT 478
Db 391 SHKKNIFEKPFMARYVRVLPVSWHNRIITLRLLELLGCT 427

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RESULT 3
US-10-485-360-7
; Sequence 7, Application US/10485360
; Publication No. US20040197314A1
; GENERAL INFORMATION:
; APPLICANT: Delcayre, Alain
; APPLICANT: Le Pecq, Jean-Bernard
; TITLE OF INVENTION: Methods and Compounds for the Targeting of Protein to Exosomes
; FILE REFERENCE: B0094WO
; CURRENT APPLICATION NUMBER: US/10/485,360
; CURRENT FILING DATE: 2004-01-30
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 7
; LENGTH: 395
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-485-360-7

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Query Match
37.8%; Score 1002.5; DB 16; Length 395;
Best Local Similarity 48.1%; Pred. No. 4.1e-81;
Matches 194; Conservative 55; Mismatches 111; Indels 43; Gaps 5;

QY 78 CTPNPNCHNGGTC-EISEAYRGDTFYGVCCKPRGFNGIHCQHNINECEVEPCXNGGICTD 136
Db 27 CSKNPNCHNGGLCEISQEVGRGDVFPSTCTCLKGAYAGNH----- 65

QY 137 LVANYSCECPGEFMGRNCQKCSGPLGIEGGIISNQOITASSTHRAFLGLOKWYPYARL 196
Db 66 -----CETKCEPLGMENGNANSQIAASSVRVTFGLQHWPELARL 108

QY 197 NKKGLINAWTAAENDRNWRWIQINLQKMRVTGVTQGAKRIGSPYIKFYKIAYSNDGK 256
Db 109 NRAGMVNAWTPSSNDD-NPWIQVNLRLKMRVSGVMTQGASRAGRAEYLTFTKVAAYSLN 167

QY 257 TW-AMYKVGKTNEDMVFRGNIDNNTPYANSFTPPPIKAQYVRLYPQVCRHCTLRMELLGC 315

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Db 168 EFDFIHDVNGKHKEFV--GNWNKNAVHVNLFETPVEAQVRLYPTSCHTACTLRPELLGC 225
QY 316 ELSGCSEPLGKSGHIQDYQITASSIFRTLNMDFWEPKARLDKQGVNAWTSQHNDQ 375
Db 226 ELNGCANPLGLKNSIPDKQITASSYKWTWGLHLSWNPYSYARLDKQGNFNAWVAGSYGN 285
QY 376 SQWLQVXLLVPTKVTGIITQGAQXGKHVQVGSYKLAISNDGEHWTXQDEKQKDKVXQ 435
Db 286 DQWLQVDLGSSKEVTGIITQARNFGSVQVASYKVAYSNDSANWTEYQDPRGTSSKIFP 345
QY 436 GNFDNDTHRKQNVDPPIYARHIRILPWSWYGRITLASELLGCT 478
Db 346 GNWDNHSKKNLFETPILARYVRILPVAWHNRIALRLLELLGCT 388

RESULT 4
US-10-485-360-30
; Sequence 30, Application US/10485360
; Publication No. US20040197314A1
; GENERAL INFORMATION:
; APPLICANT: Delcayre, Alain
; APPLICANT: Le Pecq, Jean-Bernard
; TITLE OF INVENTION: Methods and Compounds for the Targeting of Protein to Exosomes
; FILE REFERENCE: B0094WO
; CURRENT APPLICATION NUMBER: US/10/485,360
; CURRENT FILING DATE: 2004-01-30
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 30
; LENGTH: 612
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; NAME/KEY: MISC_FEATURE
; OTHER INFORMATION: Human Lactadherin-human CD40L chimeric protein
US-10-485-360-30

Query Match 37.8%; Score 1002.5; DB 16; Length 612;
Best Local Similarity 48.1%; Pred. No. 7.2e-81;
Matches 194; Conservative 55; Mismatches 111; Indels 43; Gaps 5;

QY 78 CTPNPCHNGGTC-EISEAYRGDTFIGYVCKCPRGFNGIHCQHNINECEVEPCCKNGGICTD 136
Db 27 CSKNPCHNGGLCEEISQEVGRDVFPSYTCCTCLKGYAGNH----- 65
QY 137 LVANYSCECPGEFMGRNCQYKCSGPLGIEGGIISNQITASSTHRALFGLQKWYPYARL 196
Db 66 -----CETKCVPLGMENGNANSQIAASSVRVTFGLQHWVPELARL 108
QY 197 NKKGLINAWTAAENDRNRWIIQINLQKRVTVGITQGAKRIGSPYIKFYKIAYSNDGK 256
Db 109 NRAGMVNAWTPSSNDD-NPWIQVNLRLRRMWVTGVVTQGAASRLASHEYLKAFKVAYS LN GH 167
QY 257 TW-AMYKVKGTEMDMVRGNIDNNTPYANSFTPPIKAQYVRLYPQVCRRHCTLRMELLGC 315
Db 168 EFDFIHDVNGKHKEFV--GNWNKNAVHVNLFETPVEAQVRLYPTSCHTACTLRPELLGC 225
QY 316 ELSGCSEPLGKSGHIQDYQITASSIFRTLNMDFWEPKARLDKQGVNAWTSQHNDQ 375
Db 226 ELNGCANPLGLKNSIPDKQITASSYKWTWGLHLSWNPYSYARLDKQGNFNAWVAGSYGN 285
QY 376 SQWLQVXLLVPTKVTGIITQGAQXGKHVQVGSYKLAISNDGEHWTXQDEKQKDKVXQ 435
Db 286 DQWLQVDLGSSKEVTGIITQARNFGSVQVASYKVAYSNDSANWTEYQDPRGTSSKIFP 345
QY 436 GNFDNDTHRKQNVDPPIYARHIRILPWSWYGRITLASELLGCT 478
Db 346 GNWDNHSKKNLFETPILARYVRILPVAWHNRIALRLLELLGCT 388

RESULT 5
US-10-108-260A-3405
; Sequence 3405, Application US/10108260A

; Publication No. US20040005560A1
; GENERAL INFORMATION:
; APPLICANT: HELIX RESEARCH INSTITUTE
; TITLE OF INVENTION: No. US20040005560A1e1 full length cDNA
; FILE REFERENCE: H1-A0106
; CURRENT APPLICATION NUMBER: US/10/108,260A
; CURRENT FILING DATE: 2002-03-27
; NUMBER OF SEQ ID NOS: 5458
; SOFTWARE: PatentIn ver. 2.1
; SEQ ID NO 3405
; LENGTH: 379
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-108-260A-3405

Query Match 37.6%; Score 999.5; DB 15; Length 379;
Best Local Similarity 48.0%; Pred. No. 7.2e-81;
Matches 193; Conservative 56; Mismatches 110; Indels 43; Gaps 5;

QY 78 CTPNPCHNGGTC-EISEAYRGDTFIGYVCKCPRGFNGIHCQHNINECEVEPCCKNGGICTD 136
Db 19 CSKNPCHNGGLCEEISQEVGRDVFPSYTCCTCLKGYAGNH----- 57
QY 137 LVANYSCECPGEFMGRNCQYKCSGPLGIEGGIISNQITASSTHRALFGLQKWYPYARL 196
Db 58 -----CETKCVPLGMENGNANSQIAASSVRVTFGLQHWVPELARL 100
QY 197 NKKGLINAWTAAENDRNRWIIQINLQKRVTVGITQGAKRIGSPYIKFYKIAYSNDGK 256
Db 101 NRAGMVNAWTPSSNDD-NPWIQVNLRLRRMWVTGVVTQGAASRLASHEYLKAFKVAYS LN GH 159
QY 257 TW-AMYKVKGTEMDMVRGNIDNNTPYANSFTPPIKAQYVRLYPQVCRRHCTLRMELLGC 315
Db 160 EFDFIHDVNGKHKEFV--GNWNKNAVHVNLFETPVEAQVRLYPTSCHTACTLRPELLGC 217
QY 316 ELSGCSEPLGKSGHIQDYQITASSIFRTLNMDFWEPKARLDKQGVNAWTSQHNDQ 375
Db 218 ELNGCANPLGLKNSIPDKQITASSYKWTWGLHLSWNPYSYARLDKQGNFNAWVAGSYGN 277
QY 376 SQWLQVXLLVPTKVTGIITQGAQXGKHVQVGSYKLAISNDGEHWTXQDEKQKDKVXQ 435
Db 278 DQWLQVDLGSSKEVTGIITQARNFGSVQVASYKVAYSNDSANWTEYQDPRGTSSKIFP 337
QY 436 GNFDNDTHRKQNVDPPIYARHIRILPWSWYGRITLASELLGC 477
Db 338 GNWDNHSKKNLFETPILARYVRILPVAWHNRIALRLLELLGC 379

RESULT 6
US-10-190-593-4
; Sequence 4, Application US/10190593
; Publication No. US20030022221A1
; GENERAL INFORMATION:
; APPLICANT: LANGIT, Emanual et al.
; TITLE OF INVENTION: ISOLATED HUMAN SECRETED PROTEINS,
; TITLE OF INVENTION: NUCLEIC ACID MOLECULES ENCODING HUMAN SECRETED PROTEINS, AND
; TITLE OF INVENTION: USES THEREOF
; FILE REFERENCE: CL001246
; CURRENT APPLICATION NUMBER: US/10/190,593
; CURRENT FILING DATE: 2002-07-09
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 4
; LENGTH: 387
; TYPE: PRT
; ORGANISM: Human
US-10-190-593-4

Query Match 37.6%; Score 998.5; DB 14; Length 387;
Best Local Similarity 48.0%; Pred. No. 9.1e-81;
Matches 193; Conservative 55; Mismatches 111; Indels 43; Gaps 5;
QY 78 CTPNPCHNGGTC-EISEAYRGDTFIGYVCKCPRGFNGIHCQHNINECEVEPCCKNGGICTD 136

Db 27 CSKNPCHNGGLUCEEISQEVGRDVFPSYTCCLKGYAGNH----- 65

QY 137 LVANYSCECPGEFMGRNCQYKCSGPLGIEGGIISNQITASSTHRALFGLQKWYPYARL 196

Db 66 -----CETKCVPEPLGLENGNIANSQIAASSVRVTFGLQHWVPELARL 108

QY 197 NKKGLINAWTAENDRWRNWIQINLQKMRVTGVTQGAKRIGSPYIKFYKIAYSNDGK 256

Db 109 NRAGMVNAWTPSSNDD-NPWIQVNLRRMWVTGVVTOGASRLASHEYLKAFKVAYSLNGH 167

QY 257 TW-AMYKVKGTDNEDMVFRGNIDNNTPYANSFTPPIKAQYVRLYPQVCRRHCTLRMELGC 315

Db 168 EFDFIHDVNVKKHKEFV--GNWNKNAVHVNLFETPVEAQYVRLYPTTSCHTACTLRFELGC 225

QY 316 ELSGCSEPLGMSGHIQDYQITASSIFRTLNMDMFTWEPRKARLDKQGVNAWTSGHNDQ 375

Db 226 ELNGCANPLGLKNNIPDKQITASSSYKVTWGLHLFSWNPYSYARLDKQGNFNAWVAGSYGN 285

QY 376 SOWLQVXLLVPTKVTGIITQGAQDXGHVQFVGSYKLAYSNDGEHWTYXQDEKQKQVXQ 435

Db 286 DQWLQVDLGSSEKVTGIITQGARNFGSVQFVASYKVAYSNDSANWTEYQDPRTGSSKIFP 345

QY 436 GNFDNDTHRKNVIDPPIYARHIRLPWSWYGRITLASELLGC 477

Db 346 GNWDNHSKKNLFFETPILARYVRILPVAWHNRIALRLELLGC 387

RESULT 7

US-10-485-360-27

; Sequence 27, Application US/10485360

; Publication No. US20040197314A1

; GENERAL INFORMATION:

; APPLICANT: Delcayre, Alain

; APPLICANT: Le Pecq, Jean-Bernard

; TITLE OF INVENTION: Methods and Compounds for the Targeting of Protein to Exosomes

; FILE REFERENCE: B0094WO

; CURRENT APPLICATION NUMBER: US/10/485,360

; CURRENT FILING DATE: 2004-01-30

; NUMBER OF SEQ ID NOS: 30

; SOFTWARE: PatentIn version 3.1

; SEQ ID NO 27

; LENGTH: 498

; TYPE: PRT

; ORGANISM: Artificial Sequence

; FEATURE:

; NAME/KEY: MISC FEATURE

; OTHER INFORMATION: Human IL2-human Lactadherin C1/C2 domain chimeric protein

US-10-485-360-27

Query Match 35.3%; Score 937; DB 16; Length 498;

Best Local Similarity 51.3%; Pred. No. 4.1e-75;

Matches 178; Conservative 56; Mismatches 109; Indels 4; Gaps 3;

QY 133 ICTDLVANSCECPGEFMGRNCQYKCSGPLGIEGGIISNQITASSTHRALFGLQKWYPY 192

Db 148 IISTLTSPSYTCCLKGYAGNHCECTKCVPEPLGMENGNANSQIAASSVRVTFGLQHWVPE 207

QY 193 YARLNKKGLINAWTAENDRWRNWIQINLQKMRVTGVTQGAKRIGSPYIKFYKIAYS 252

Db 208 LARLNAGMVNAWTPSSNDD-NPWIQVNLRRMWVTGVVTOGASRLASHEYLKAFKVAYS 266

QY 253 NDGKTW-AMYKVKGTDNEDMVFRGNIDNNTPYANSFTPPIKAQYVRLYPQVCRRHCTLRME 311

Db 267 LNGHEHDFDIHDVNVKKHKEFV--GNWNKNAVHVNLFETPVEAQYVRLYPTTSCHTACTLRFE 324

QY 312 LLGCELSGCSEPLGMSGHIQDYQITASSIFRTLNMDMFTWEPRKARLDKQGVNAWTS 371

Db 325 LLGCELNGCANPLGLKNNIPDKQITASSSYKVTWGLHLFSWNPYSYARLDKQGNFNAWVAG 384

QY 372 HNDQSOWLQVXLLVPTKVTGIITQGAQDXGHVQFVGSYKLAYSNDGEHWTYXQDEKQKRD 431

Db 385 SYGNDQWLQVDLGSSEKVTGIITQGARNFGSVQFVASYKVAYSNDSANWTEYQDPRTGSS 444

QY 432 KVXQGNFDNDTHRKNVIDPPIYARHIRILPWSWYGRITLASELLGCT 478

Db 445 KIFPGNWDNHSKKNLFFETPILARYVRILPVAWHNRIALRLELLGCT 491

RESULT 8

US-10-485-360-26

; Sequence 26, Application US/10485360

; Publication No. US20040197314A1

; GENERAL INFORMATION:

; APPLICANT: Delcayre, Alain

; APPLICANT: Le Pecq, Jean-Bernard

; TITLE OF INVENTION: Methods and Compounds for the Targeting of Protein to Exosomes

; FILE REFERENCE: B0094WO

; CURRENT APPLICATION NUMBER: US/10/485,360

; CURRENT FILING DATE: 2004-01-30

; NUMBER OF SEQ ID NOS: 30

; SOFTWARE: PatentIn version 3.1

; SEQ ID NO 26

; LENGTH: 480

; TYPE: PRT

; ORGANISM: Artificial Sequence

; FEATURE:

; NAME/KEY: MISC FEATURE

; OTHER INFORMATION: Human IL2-human Lactadherin C1/C2 domain chimeric protein

US-10-485-360-26

Query Match 33.8%; Score 898.5; DB 16; Length 480;

Best Local Similarity 48.5%; Pred. No. 1.1e-71;

Matches 181; Conservative 54; Mismatches 105; Indels 33; Gaps 7;

QY 136 DLVAN-----YSCECPG-----EFMGR---NCQ-----YKCSGPLGIEG 166

Db 104 DLISNVIVLELKGSETTFCEYADETATIFEFLNRWITFCQSIISTLTCKVEPLGMEN 163

QY 167 GIISNQITASSTHRALFGLQKWYPYARLNKKGLINAWTAENDRWRNWIQINLQKMR 226

Db 164 GNANSQIAASSVRVTFGLQHWVPELARLNAGMVNAWTPSSNDD-NPWIQVNLRRMW 222

QY 227 VTGVITQGAKRIGSPYIKFYKIAYSNDGKTW-AMYKVKGTDNEDMVFRGNIDNNTPYANS 285

Db 223 VTGVVTOGASRLASHEYLKAFKVAYSLNGHEHDFDIHDVNVKKHKEFV--GNWNKNAVHVN 280

QY 286 FTTPPIKAQYVRLYPQVCRRHCTLRMELLGCELSGCSEPLGMSGHIQDYQITASSIFRTL 345

Db 281 FETPVEAQYVRLYPTTSCHTACTLRFELLGCELNGCANPLGLKNNIPDKQITASSSYKTW 340

QY 346 NMDMFTWEPRKARLDKQGVNAWTSGHNDQSOWLQVXLLVPTKVTGIITQGAQDXGHVQF 405

Db 341 GLHLFSWNPYSYARLDKQGNFNAWVAGSYGNDQWLQVDLGSSEKVTGIITQGARNFGSVQF 400

QY 406 VGSYKLAYSNDGEHWTYXQDEKQKRDKVXQGNFDNTHRKNVIDPPIYARHIRILPWSWY 465

Db 401 VASYKVAYSNDSANWTEYQDPRTGSSKIFPGNWDNHSKKNLFFETPILARYVRILPVAWH 460

QY 466 GRITLASELLGCT 478

Db 461 NRIALRLELLGCT 473

RESULT 9

US-10-190-593-2

; Sequence 2, Application US/10190593

; Publication No. US20030022221A1

; GENERAL INFORMATION:

; APPLICANT: LANGIT, Emanuel et al.

; TITLE OF INVENTION: ISOLATED HUMAN SECRETED PROTEINS,

; TITLE OF INVENTION: NUCLEIC ACID MOLECULES ENCODING HUMAN SECRETED PROTEINS, AND

; TITLE OF INVENTION: USES THEREOF

; FILE REFERENCE: CL001246

; CURRENT APPLICATION NUMBER: US/10/190,593

; CURRENT FILING DATE: 2002-07-09


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; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 343
; TYPE: PRT
; ORGANISM: Human
; US-10-190-593-2

Query Match      33.4%; Score 886; DB 14; Length 343;
Best Local Similarity 52.5%; Pred. No. 9.4e-71;
Matches 169; Conservative 51; Mismatches 98; Indels 4; Gaps 3;

QY 157 KCSGPLGIEGGIISNQITASSSTRALFGLQKWYPYARLNKKGLINAWTAAENDRWNRW 216
Db 25 ECVEPLGLENGNIANSQIAASSVRVTFGLQLQHWVPELARLNLRAGMVNAWTPSSNDD-NPW 83

QY 217 IQINLQKMRVTGVIITQAKRIGSPYIKFYKIAYSNDGKTW-AMYKVKGITNEDMVFRGN 275
Db 84 IQVNLRRMWTGVTQTGASRLASHEYLKAFKVAYSINGHEFDFIHDVNNKKHKEFV--GN 141

QY 276 IDNTPYANSETPPIKAQYVRLYPQVCRRHCTLRMELLGCELSGCSEPLGKMSGHIQDYQ 335
Db 142 WNKNAHVNLFPETPVEAQYVRLYPTTSCHTACTLRPELLGCELANGCANPLGLKNNSIPDKQ 201

QY 336 ITASSIFRTLNDMFTWEPKARLDKQGVNAWTSGHNDQSQWLQVXLLVPTKVTGIITQ 395
Db 202 ITASSYKTVGLHLPFSWNPFSYARLDKQGNFNWAGSYGNDQWLQVLDGSSKEVTGIITQ 261

QY 396 GAKDXGHVQVGSYKLAYSNDGEHWTXQDEKQKDKVXQGNFDNDTHRKNVIDPPIYAR 455
Db 262 GARNFGSVQFVASYKVAYSNDSANWTEYQDPRTGSSKIFPPGNWDNHSKKNLPETPILAR 321

QY 456 HIRLPWSWYGRITLASELLGC 477
Db 322 YVRILPVAWHNRILRLLELLGC 343

RESULT 10
US-10-485-360-8
; Sequence 8, Application US/10485360
; Publication No. US20040197314A1
; GENERAL INFORMATION:
; APPLICANT: Delcayre, Alain
; APPLICANT: Le Pecq, Jean-Bernard
; TITLE OF INVENTION: Methods and Compounds for the Targeting of Protein to Exosomes
; FILE REFERENCE: B0094W0
; CURRENT APPLICATION NUMBER: US/10/485,360
; CURRENT FILING DATE: 2004-01-30
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 8
; LENGTH: 343
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-485-360-8

Query Match      31.1%; Score 826.5; DB 16; Length 343;
Best Local Similarity 40.9%; Pred. No. 2e-65;
Matches 165; Conservative 49; Mismatches 94; Indels 95; Gaps 6;

QY 78 CTPNPNCHNGGTC-EISEAYRGDTFIGYVCKCPRGFNGIHCOHNINECEVEPCKNGGICTD 136
Db 27 CSKNPCHNGGLCEBISQEVGRDVPFSPYTCCTCLKGYAGNH----- 65

QY 137 LVANYSCECPGFMGRNCQYKCSGPLGIEGGIISNQITASSSTRALFGLQKWYPYARL 196
Db 66 -----CETKCVPEPLGMENGNANSQIAASSVRVTFGLQHWVPELARL 108

QY 197 NKKGLINAWTAAENDRWNRWIQINLQKMRVTGVIITQAKRIGSPYIKFYKIAYSNDGK 256
Db 109 NRAGMVNAWTPSSNDD-NPWIQVNLRRMWTGVTQTGASRLASHEYLKAFKVAYSINGH 167

QY 257 TW-AMYKVKGITNEDMVFRGNIDNTPYANSFTPPPIKAQYVRLYPQVCRRHCTLRMELLGC 315
Db 66 -----CETKCVPEPLGMENGNANSQIAASSVRVTFGLQHWVPELARL 108

QY 197 NKKGLINAWTAAENDRWNRWIQINLQKMRVTGVIITQAKRIGSPYIKFYKIAYSNDGK 256
Db 109 NRAGMVNAWTPSSNDD-NPWIQVNLRRMWTGVTQTGASRLASHEYLKAFKVAYSINGH 167

QY 257 TW-AMYKVKGITNEDMVFRGNIDNTPYANSFTPPPIKAQYVRLYPQVCRRHCTLRMELLGC 315
Db 168 EFDFIHDVNNKKHKEFV--GNWNKNAHVNLFPETPVEAQYVRLYPTTSCHTACTLRPELLGC 225

QY 316 ELSGCSEPLGKMSGHIQDYQITASSIFRTLNDMFTWEPKARLDKQGVNAWTSGHNDQ 375
Db 226 ELNGCANPLGLKNNSIPDKQITASSSYKTWGLHLPFSWNPFSYARLDKQGNFNWAGSYGN 285

QY 376 SQWLQVXLLVPTKVTGIITQAKDXGHVQVGSYKLAYSNDGEHWTXQDEKQKDKVXQ 435
Db 286 DQWLQ-----IFP 293

QY 436 GNFDNDTHRKNVIDPPIYARHIRLPWSWYGRITLASELLGC 477
Db 294 GNWDNHSKKNLPETPILARYVRILPVAWHNRILRLLELLGC 335
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; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 343
; TYPE: PRT
; ORGANISM: Human
; US-10-190-593-2

Query Match      33.4%; Score 886; DB 14; Length 343;
Best Local Similarity 52.5%; Pred. No. 9.4e-71;
Matches 169; Conservative 51; Mismatches 98; Indels 4; Gaps 3;

QY 157 KCSGPLGIEGGIISNQITASSSTRALFGLQKWYPYARLNKKGLINAWTAAENDRWNRW 216
Db 25 ECVEPLGLENGNIANSQIAASSVRVTFGLQLQHWVPELARLNLRAGMVNAWTPSSNDD-NPW 83

QY 217 IQINLQKMRVTGVIITQAKRIGSPYIKFYKIAYSNDGKTW-AMYKVKGITNEDMVFRGN 275
Db 84 IQVNLRRMWTGVTQTGASRLASHEYLKAFKVAYSINGHEFDFIHDVNNKKHKEFV--GN 141

QY 276 IDNTPYANSETPPIKAQYVRLYPQVCRRHCTLRMELLGCELSGCSEPLGKMSGHIQDYQ 335
Db 142 WNKNAHVNLFPETPVEAQYVRLYPTTSCHTACTLRPELLGCELANGCANPLGLKNNSIPDKQ 201

QY 336 ITASSIFRTLNDMFTWEPKARLDKQGVNAWTSGHNDQSQWLQVXLLVPTKVTGIITQ 395
Db 202 ITASSYKTVGLHLPFSWNPFSYARLDKQGNFNWAGSYGNDQWLQVLDGSSKEVTGIITQ 261

QY 396 GAKDXGHVQVGSYKLAYSNDGEHWTXQDEKQKDKVXQGNFDNDTHRKNVIDPPIYAR 455
Db 262 GARNFGSVQFVASYKVAYSNDSANWTEYQDPRTGSSKIFPPGNWDNHSKKNLPETPILAR 321

QY 456 HIRLPWSWYGRITLASELLGC 477
Db 322 YVRILPVAWHNRILRLLELLGC 343

RESULT 11
US-10-408-765A-1474
; Sequence 1474, Application US/10408765A
; Publication No. US20040101874A1
; GENERAL INFORMATION:
; APPLICANT: Ghosh, Soumitra S.
; APPLICANT: Fahy, Eoin D.
; APPLICANT: Zhang, Bing
; APPLICANT: Gibson, Bradford W.
; APPLICANT: Taylor, Steven W.
; APPLICANT: Glenn, Gary M.
; APPLICANT: Warnock, Dale E.
; TITLE OF INVENTION: TARGETS FOR THERAPEUTIC INTERVENTION
; FILE REFERENCE: 660088.465
; CURRENT APPLICATION NUMBER: US/10/408,765A
; CURRENT FILING DATE: 2003-04-04
; NUMBER OF SEQ ID NOS: 3077
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1474
; LENGTH: 335
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-408-765A-1474

Query Match      30.9%; Score 821.5; DB 16; Length 335;
Best Local Similarity 40.8%; Pred. No. 5.5e-65;
Matches 164; Conservative 49; Mismatches 94; Indels 95; Gaps 6;

QY 78 CTPNPNCHNGGTC-EISEAYRGDTFIGYVCKCPRGFNGIHCOHNINECEVEPCKNGGICTD 136
Db 27 CSKNPCHNGGLCEBISQEVGRDVPFSPYTCCTCLKGYAGNH----- 65

QY 137 LVANYSCECPGFMGRNCQYKCSGPLGIEGGIISNQITASSSTRALFGLQKWYPYARL 196
Db 66 -----CETKCVPEPLGMENGNANSQIAASSVRVTFGLQHWVPELARL 108

QY 197 NKKGLINAWTAAENDRWNRWIQINLQKMRVTGVIITQAKRIGSPYIKFYKIAYSNDGK 256
Db 109 NRAGMVNAWTPSSNDD-NPWIQVNLRRMWTGVTQTGASRLASHEYLKAFKVAYSINGH 167

QY 257 TW-AMYKVKGITNEDMVFRGNIDNTPYANSFTPPPIKAQYVRLYPQVCRRHCTLRMELLGC 315
Db 168 EFDFIHDVNNKKHKEFV--GNWNKNAHVNLFPETPVEAQYVRLYPTTSCHTACTLRPELLGC 225

QY 316 ELSGCSEPLGKMSGHIQDYQITASSIFRTLNDMFTWEPKARLDKQGVNAWTSGHNDQ 375
Db 226 ELNGCANPLGLKNNSIPDKQITASSSYKTWGLHLPFSWNPFSYARLDKQGNFNWAGSYGN 285

QY 376 SQWLQVXLLVPTKVTGIITQAKDXGHVQVGSYKLAYSNDGEHWTXQDEKQKDKVXQ 435
Db 286 DQWLQ-----IFP 293

QY 436 GNFDNDTHRKNVIDPPIYARHIRLPWSWYGRITLASELLGC 477
Db 294 GNWDNHSKKNLPETPILARYVRILPVAWHNRILRLLELLGC 335
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RESULT 12
US-10-187-319-6
; GENERAL INFORMATION:
; APPLICANT: Lollar, John S.
; TITLE OF INVENTION: Hybrid Human/Animal Factor VIII
; NUMBER OF SEQUENCES: 40
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Greenlee, Winner and Sullivan, P.C.
; STREET: 5370 Manhattan Circle Suite 201
; CITY: Boulder
; STATE: Colorado
; COUNTRY: USA
; ZIP: 80303
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/187,319
; FILING DATE: 27-Aug-2002
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 09/523,656
; FILING DATE: 2000-03-10
; APPLICATION NUMBER: US 09/037,601
; FILING DATE: 1998-03-10
; APPLICATION NUMBER: WO PCT/US97/11155
; FILING DATE: 1997-06-26
; APPLICATION NUMBER: US 08/670,707
; FILING DATE: 1996-06-26
; ATTORNEY/AGENT INFORMATION:
; NAME: Greenlee, Lorance L.
; REGISTRATION NUMBER: 27,894
; REFERENCE/DOCKET NUMBER: 75-95K
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 303/499-8080
; TELEFAX: 303/499-8089
; JOURNAL: Genomics
; VOLUME: 16
; PAGES: 374-379
; DATE: 1993
; RELEVANT RESIDUES IN SEQ ID NO: 6: FROM 1 TO 2319
; SEQUENCE DESCRIPTION: SEQ ID NO: 6:
US-10-187-319-6

Query Match 24.7%; Score 655; DB 14; Length 2319;
Best Local Similarity 45.7%; Pred. No. 5.6e-49;
Matches 149; Conservative 40; Mismatches 121; Indels 16; Gaps 5;

QY 157 KCSGPLGIEGGIISNQITASSTHRALFGLQKWYPYARLNKKGLINAWTAAENDRWNRW 216
Db 2007 QCQIPLGMASGSIRDFOITASGHY-----GQWAPNRLARLHYSGSINAWSTKEP---FSW 2057

QY 217 IQINLQKMRVTGVTQGAKRIGSPEYIKFYKIAYSNDGKTWAMYKVKGTTNEDMVFRGNI 276
Db 2058 IKVDLLAPMIVHGIKTQGARQKFSSLYISQFIIMYSLDGKKWLSYQGNSTGTLMVFFGNV 2117

QY 277 DNNTPYANSFTPPIKAQYVRLYPQVCRRHCTLRMELLCGELSGCSEPLGMSKSHIQDYQI 336
Db 2118 DSSGIKHSFNPPIIARIYIRLHPHTSSIRSTLRMELMGCDLNSCSIPLGMSKVISDTQI 2177

QY 337 TASSIFRTLNDMF-TWEPRKARLDKQKVNAWTSGHNDQSOWLQVXLLVPTKVTGIITQ 395
Db 2178 TASSYF----TNMFATWSPSQARLHLQGRTNARWPQVNDPKQWLQVDLQKTMKVTGIITQ 2233

QY 396 GAKDXGHVQFVGSYKLAYSNDGEHWTXQDEKQKDKVXQGNFNDNTHRKNVIDPPIYAR 455
Db 2234 GVKSLFTSMFVKEFLISSQDGHHT--QILYNGKVXVFGNQDSSSTPMNNSLDPPLLTR 2291

QY 456 HIRILPWSWYGRITLASELLGCTEEE 481

Db 2292 YLRHPQIWEHQIALRLLEILGCEAAQ 2317

RESULT 13
US-10-131-510A-6
; Sequence 6, Application US/10131510A
; Publication No. US20030166536A1
; GENERAL INFORMATION:
; APPLICANT: Lollar, John S
; TITLE OF INVENTION: Modified Factor VIII
; FILE REFERENCE: 75-95J
; CURRENT APPLICATION NUMBER: US/10/131,510A
; CURRENT FILING DATE: 2002-07-10
; PRIOR APPLICATION NUMBER: U.S. 09/315,179
; PRIOR FILING DATE: 1999-05-20
; PRIOR APPLICATION NUMBER: U.S. 09/037,601
; PRIOR FILING DATE: 1998-03-10
; PRIOR APPLICATION NUMBER: U.S. 08/670,707
; PRIOR FILING DATE: 1996-06-26
; PRIOR APPLICATION NUMBER: PCT/US97/11155
; PRIOR FILING DATE: 1997-06-26
; PRIOR APPLICATION NUMBER: PCT/US94/13200
; PRIOR FILING DATE: 1994-11-15
; PRIOR APPLICATION NUMBER: U.S. 08/212,133
; PRIOR FILING DATE: 1994-03-11
; PRIOR APPLICATION NUMBER: U.S. 07/864,004
; PRIOR FILING DATE: 1992-04-07
; NUMBER OF SEQ ID NOS: 40
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 6
; LENGTH: 2319
; TYPE: PRT
; ORGANISM: Mus musculus
US-10-131-510A-6

Query Match 24.7%; Score 655; DB 14; Length 2319;
Best Local Similarity 45.7%; Pred. No. 5.6e-49;
Matches 149; Conservative 40; Mismatches 121; Indels 16; Gaps 5;

QY 157 KCSGPLGIEGGIISNQITASSTHRALFGLQKWYPYARLNKKGLINAWTAAENDRWNRW 216
Db 2007 QCQIPLGMASGSIRDFOITASGHY-----GQWAPNRLARLHYSGSINAWSTKEP---FSW 2057

QY 217 IQINLQKMRVTGVTQGAKRIGSPEYIKFYKIAYSNDGKTWAMYKVKGTTNEDMVFRGNI 276
Db 2058 IKVDLLAPMIVHGIKTQGARQKFSSLYISQFIIMYSLDGKKWLSYQGNSTGTLMVFFGNV 2117

QY 277 DNNTPYANSFTPPIKAQYVRLYPQVCRRHCTLRMELLCGELSGCSEPLGMSKSHIQDYQI 336
Db 2118 DSSGIKHSFNPPIIARIYIRLHPHTSSIRSTLRMELMGCDLNSCSIPLGMSKVISDTQI 2177

QY 337 TASSIFRTLNDMF-TWEPRKARLDKQKVNAWTSGHNDQSOWLQVXLLVPTKVTGIITQ 395
Db 2178 TASSYF----TNMFATWSPSQARLHLQGRTNARWPQVNDPKQWLQVDLQKTMKVTGIITQ 2233

QY 396 GAKDXGHVQFVGSYKLAYSNDGEHWTXQDEKQKDKVXQGNFNDNTHRKNVIDPPIYAR 455
Db 2234 GVKSLFTSMFVKEFLISSQDGHHT--QILYNGKVXVFGNQDSSSTPMNNSLDPPLLTR 2291

QY 456 HIRILPWSWYGRITLASELLGCTEEE 481
Db 2292 YLRHPQIWEHQIALRLLEILGCEAAQ 2317

RESULT 14
US-10-360-101-259
; Sequence 259, Application US/10360101
; Publication No. US20040009550A1
; GENERAL INFORMATION:
; APPLICANT: Moll, Gert N.
; APPLICANT: Leenhouts, Cornelis J.
; TITLE OF INVENTION: Export and modification of (poly)peptide in the lantibiotic way

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; FILE REFERENCE: 2183-5673
; CURRENT APPLICATION NUMBER: US/10/360,101
; CURRENT FILING DATE: 2003-02-07
; PRIOR APPLICATION NUMBER: EP 02077060.8
; PRIOR FILING DATE: 2002-05-24
; NUMBER OF SEQ ID NOS: 309
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 259
; LENGTH: 2196
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: sequence of prothrombin
US-10-360-101-259

Query Match      24.4%; Score 647.5; DB 15; Length 2196;
Best Local Similarity 40.9%; Pred. No. 2.5e-48;
Matches 138; Conservative 54; Mismatches 130; Indels 15; Gaps 4;

QY 144 ECPGEFMGRNCQYKCSGPLGIEGGIISNQITASSSTRALFGLQKWYPYARLNKKGLIN 203
Db 1869 QTPFLIMDRDCRM---PMGLSTGIISDSQIKASEF-----LGYWEPRLARLNNGGSYN 1918

QY 204 AWTa---AENDRWNRWIIQLQRKMRVTGVTQGAQRIGSPYIKFYKIAYSNDGKTWAM 260
Db 1919 AWSVEKLAEEFASKPWIQVDMQKEVIITGIQTQGAQHYLKSCYTTTEFYVAYSSNQINWQI 1978

QY 261 YKVKGTNEDMVERGNIDNNTPYANSFTPPPIKAQYVRLYPQVCRRHCTLRMELLGCELSGC 320
Db 1979 FKGNSTRNVMYFNGNSDASTIKENQDFPPIVARYIRISPTRAYNRPTRLRLELQGCCEVNGC 2038

QY 321 SEPLGMSGHIQDYQITASSIFRTLNDMFTWEPKARLDKQKVNAWTSGHNDQSQWLQ 380
Db 2039 STPLGMENKGIENKQITASSFKKSWWGDY--WEPFRARLNAQGRVNAWQAKANNKQWLE 2096

QY 381 VXLLVPTKVTGIITQGAQXGHVQFVGSYKLAYSNDGEHWTXQDEKQKDKVKXQGNFDN 440
Db 2097 IDLLKIKKITAIIITQGCKSLSEMYVKSYYTIHYSEQGVKPYRLKSSMVDKIFEGTNT 2156

QY 441 DTHRKNVIDPPIYARHIRILPWSWYGRITLASELLGC 477
Db 2157 KGHVKNFFNPPIISRFIRVIPKTNQSIITLRLLELFGC 2193

RESULT 15
US-10-115-563-14
; Sequence 14, Application US/10115563
; Publication No. US20030008307A1
; GENERAL INFORMATION:
; APPLICANT: Griffin, John H
; Greengard, Judith S
; TITLE OF INVENTION: METHODS FOR DIAGNOSING ACTIVATED PROTEIN
; C RESISTANCE ASSOCIATED WITH A FACTOR V GENETIC MUTATION
; AND COMPOSITIONS THEREOF
; NUMBER OF SEQUENCES: 28
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: The Scripps Research Institute, Office of
; Patent Counsel
; STREET: 10666 No. US20030008307Alth Torrey Pines Road, TPC 8
; CITY: La Jolla
; STATE: CA
; COUNTRY: USA
; ZIP: 92037
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/115,563
; FILING DATE: 02-Apr-2002
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
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; APPLICATION NUMBER: US/08/410,488
; FILING DATE: 24-MAR-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Fitting, Thomas
; REGISTRATION NUMBER: 34,163
; REFERENCE/DOCKET NUMBER: 449.0
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619-554-2937
; TELEFAX: 619-554-6312
; INFORMATION FOR SEQ ID NO: 14:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2224 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 14:
US-10-115-563-14

Query Match      24.4%; Score 647.5; DB 14; Length 2224;
Best Local Similarity 40.9%; Pred. No. 2.5e-48;
Matches 138; Conservative 54; Mismatches 130; Indels 15; Gaps 4;

QY 144 ECPGEFMGRNCQYKCSGPLGIEGGIISNQITASSSTRALFGLQKWYPYARLNKKGLIN 203
Db 1897 QTPFLIMDRDCRM---PMGLSTGIISDSQIKASEF-----LGYWEPRLARLNNGGSYN 1946

QY 204 AWTa---AENDRWNRWIIQLQRKMRVTGVTQGAQRIGSPYIKFYKIAYSNDGKTWAM 260
Db 1947 AWSVEKLAEEFASKPWIQVDMQKEVIITGIQTQGAQHYLKSCYTTTEFYVAYSSNQINWQI 2006

QY 261 YKVKGTNEDMVERGNIDNNTPYANSFTPPPIKAQYVRLYPQVCRRHCTLRMELLGCELSGC 320
Db 2007 FKGNSTRNVMYFNGNSDASTIKENQDFPPIVARYIRISPTRAYNRPTRLRLELQGCCEVNGC 2066

QY 321 SEPLGMSGHIQDYQITASSIFRTLNDMFTWEPKARLDKQKVNAWTSGHNDQSQWLQ 380
Db 2067 STPLGMENKGIENKQITASSFKKSWWGDY--WEPFRARLNAQGRVNAWQAKANNKQWLE 2124

QY 381 VXLLVPTKVTGIITQGAQXGHVQFVGSYKLAYSNDGEHWTXQDEKQKDKVKXQGNFDN 440
Db 2125 IDLLKIKKITAIIITQGCKSLSEMYVKSYYTIHYSEQGVKPYRLKSSMVDKIFEGTNT 2184

QY 441 DTHRKNVIDPPIYARHIRILPWSWYGRITLASELLGC 477
Db 2185 KGHVKNFFNPPIISRFIRVIPKTNQSIITLRLLELFGC 2221
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Search completed: March 26, 2005, 08:25:01
Job time : 64.6342 secs

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; MOLECULE TYPE: protein
US-08-480-229C-14

Query Match          97.4%; Score 598; DB 2; Length 513;
Best Local Similarity 91.1%; Pred.No. 3.8e-47;
Matches 102; Conservative 0; Mismatches 0; Indels 10; Gaps 1

QY      2 DICDPNPCENGIGICLPGLAVGFSCECPDGFDPNCSSVVEV-----GPCTPNPC 51
      |||
DB      56 DICDPNPCENGIGICLPGLAVGFSCECPDGFDPNCSSVVEVASDEEPTSAAGCTPNPC 115
      |||

QY      52 HNGGTCEISEAYRGDTFIGYVCKPRGFIHCQHININECEVEPCKNGGICT 103
      |||
DB      116 HNGGTCEISEAYRGDTFIGYVCKPRGFIHCQHININECEVEPCKNGGICT 167
      |||

RESULT 3
US-08-659-235C-14
; Sequence 14, Application US/08659235C
; Patent No. 5877281
; GENERAL INFORMATION:
; APPLICANT: Quentermous, Thomas
; APPLICANT: Hogan, Brigid
; APPLICANT: Snodgrass, H. Ralph
; APPLICANT: Zupancic, Thomas J.
; TITLE OF INVENTION: DEVELOPMENTALLY-REGULATED ENDOTHELIAL
; TITLE OF INVENTION: CELL LOCUS-1
; NUMBER OF SEQUENCES: 29
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds LLP
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: United States
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/659,235C
; FILING DATE: 05-JUN-1996

```

```

; CLASSIFICATION: 433
; ATTORNEY/AGENT INFORMATION:
; NAME: Poissant, Brian M.
; REGISTRATION NUMBER: 28,462
; REFERENCE/DOCKET NUMBER: 8907-0034-999
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 790-9090
; TELEFAX: (212) 869-8864/9741
; TELEX: 66141 Pennie
; INFORMATION FOR SEQ ID NO: 14:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 513 amino acids
; TYPE: amino acid
; STRANDEDNESS: unknown
; TOPOLOGY: linear
; MOLECULE TYPE: protein
;
US-08-659-235C-14

Query Match 97.4%; Score 598; DB 2; Length 513;
Best Local Similarity 91.1%; Pred. No. 3.8e-47;
Matches 102; Conservative 0; Mismatches 0; Indels

QY 2 DCDPNPCENGICLPGLAVSFSCPCPDGFTDPNCSSVVEV-----
Db 56 DCDPNPCENGICLPGLAVSFSCPCPDGFTDPNCSSVVEVASDEEEF
QY 52 HNGGTCEISEAYRGDTFIGYVCKPRGFNGIHCOHNINECEVEPCCKNGG
Db 116 HNGGTCEISEAYRGDTFIGYVCKPRGFNGIHCOHNINECEVEPCCKNGG

RESULT 4
US-08-480-229C-29
; Sequence 29, Application US/08480229C
; Patent No. 5874562
; GENERAL INFORMATION:
; APPLICANT: Quertermous, Thomas
; APPLICANT: Hogan, Brigid
; APPLICANT: Snodgrass, H. Ralph
; APPLICANT: Zupancic, Thomas J.
; TITLE OF INVENTION: DEVELOPMENTALLY-REGULATED ENDOTHELIAL
; TITLE OF INVENTION: CELL LOCUS-1
; NUMBER OF SEQUENCES: 29
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds LLP
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: United States
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/480,229C
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Poissant, Brian M.
; REGISTRATION NUMBER: 28,462
; REFERENCE/DOCKET NUMBER: 8907-0026-999
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 790-9090
; TELEFAX: (212) 869-8864/9741
; TELEX: 66141 Pennie
; INFORMATION FOR SEQ ID NO: 29:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 221 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear

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; MOLECULE TYPE: protein
; FRAGMENT TYPE: internal
US-08-480-229C-29

Query Match 88.3%; Score 542; DB 2; Length 221;
Best Local Similarity 82.1%; Pred. No. 2.2e-42;
Matches 92; Conservative 3; Mismatches 7; Indels 10; Gaps 1;

QY 2 DICDPNCPENGICLPGLAVGSFSCPCPDGFTDPNCSSVVEV-----GPCTPNPC 51
|||:||||||||||| ||| ||||||||| ||| |||||||
Db 24 DICPNPCENGICLSGLADDSFSCPCPEGFAGPNCSSVVEVASDEEKPTSAGPCIPNPC 83
|||:||||||||||| ||| ||||||||| ||| |||||||

QY 52 HNGGTCEISEAYRGDTFIGYVCKPCPRGFNGIHCOHNINECEVEPCKNGGICT 103
|||:||||||||||| ||| ||||||||| ||| |||||||

Db 84 HNGGTCEISEAYRGDTFIGYVCKPCPRGFNGIHCOHNINECEAEPCRNNGICT 135
|||:||||||||||| ||| ||||||||| ||| |||||||

RESULT 5
US-08-659-235C-29
; Sequence 29, Application US/08659235C
; Patent No. 5877281
; GENERAL INFORMATION:
; APPLICANT: Quettermous, Thomas
; APPLICANT: Hogan, Brigid
; APPLICANT: Snodgrass, H. Ralph
; APPLICANT: Zupancic, Thomas J.
; TITLE OF INVENTION: DEVELOPMENTALLY-REGULATED ENDOTHELIAL
; TITLE OF INVENTION: CELL LOCUS-1
; NUMBER OF SEQUENCES: 29
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds LLP
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: United States
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/659,235C
; FILING DATE: 05-JUN-1996
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Poissant, Brian M.
; REGISTRATION NUMBER: 28,462
; REFERENCE/DOCKET NUMBER: 8907-0034-999
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 790-9090
; TELEX: 66141 Pennie
; INFORMATION FOR SEQ ID NO: 29:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 221 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; FRAGMENT TYPE: internal
US-08-659-235C-29

Query Match 88.3%; Score 542; DB 2; Length 221;
Best Local Similarity 82.1%; Pred. No. 2.2e-42;
Matches 92; Conservative 3; Mismatches 7; Indels 10; Gaps 1;

QY 2 DICDPNCPENGICLPGLAVGSFSCPCPDGFTDPNCSSVVEV-----GPCTPNPC 51
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Db 24 DICPNPCENGICLSGLADDSFSCPCPEGFAGPNCSSVVEVASDEEKPTSAGPCIPNPC 83
|||:||||||||||| ||| ||||||||| ||| |||||||

QY 52 HNGGTCEISEAYRGDTFIGYVCKPCPRGFNGIHCOHNINECEVEPCKNGGICT 103
|||:||||||||||| ||| ||||||||| ||| |||||||

Db 84 HNGGTCEISEAYRGDTFIGYVCKPCPRGFNGIHCOHNINECEAEPCRNNGICT 135

RESULT 6
US-08-480-229C-10
; Sequence 10, Application US/08480229C
; Patent No. 5874562
; GENERAL INFORMATION:
; APPLICANT: Quettermous, Thomas
; APPLICANT: Hogan, Brigid
; APPLICANT: Snodgrass, H. Ralph
; APPLICANT: Zupancic, Thomas J.
; TITLE OF INVENTION: DEVELOPMENTALLY-REGULATED ENDOTHELIAL
; TITLE OF INVENTION: CELL LOCUS-1
; NUMBER OF SEQUENCES: 29
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds LLP
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: United States
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/480,229C
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Poissant, Brian M.
; REGISTRATION NUMBER: 28,462
; REFERENCE/DOCKET NUMBER: 8907-0026-999
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 790-9090
; TELEX: 66141 Pennie
; INFORMATION FOR SEQ ID NO: 10:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 480 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-480-229C-10

Query Match 88.3%; Score 542; DB 2; Length 480;
Best Local Similarity 82.1%; Pred. No. 4.8e-42;
Matches 92; Conservative 3; Mismatches 7; Indels 10; Gaps 1;

QY 2 DICDPNCPENGICLPGLAVGSFSCPCPDGFTDPNCSSVVEV-----GPCTPNPC 51
|||:||||||||||| ||| ||||||||| ||| |||||||

Db 24 DICPNPCENGICLSGLADDSFSCPCPEGFAGPNCSSVVEVASDEEKPTSAGPCIPNPC 83
|||:||||||||||| ||| ||||||||| ||| |||||||

QY 52 HNGGTCEISEAYRGDTFIGYVCKPCPRGFNGIHCOHNINECEVEPCKNGGICT 103
|||:||||||||||| ||| ||||||||| ||| |||||||

Db 84 HNGGTCEISEAYRGDTFIGYVCKPCPRGFNGIHCOHNINECEAEPCRNNGICT 135
|||:||||||||||| ||| ||||||||| ||| |||||||

RESULT 7
US-08-659-235C-10
; Sequence 10, Application US/08659235C
; Patent No. 5877281
; GENERAL INFORMATION:
; APPLICANT: Quettermous, Thomas
; APPLICANT: Hogan, Brigid
; APPLICANT: Snodgrass, H. Ralph
; APPLICANT: Zupancic, Thomas J.
; TITLE OF INVENTION: DEVELOPMENTALLY-REGULATED ENDOTHELIAL
; TITLE OF INVENTION: CELL LOCUS-1
; NUMBER OF SEQUENCES: 29
; CORRESPONDENCE ADDRESS:

Wed Mar 30 17:27:08 2005

ADDRESSEE: Pennie & Edmonds LLP
STREET: 1155 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: United States
ZIP: 10036-2711
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/659,235C
FILING DATE: 05-JUN-1996
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Poissant, Brian M.
REGISTRATION NUMBER: 28,462
REFERENCE/DOCKET NUMBER: 8907-0034-999
TELEPHONE: (212) 790-9090
TELEFAX: (212) 869-8864/9741
TELEX: 66141 Pennie
INFORMATION FOR SEQ ID NO: 10:
SEQUENCE CHARACTERISTICS:
LENGTH: 480 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-659-235C-10

Query Match 88.3%; Score 542; DB 2; Length 480;
Best Local Similarity 82.1%; Pred. No. 4.8e-42;
Matches 92; Conservative 3; Mismatches 7; Indels 10; Gaps 1;
QY 2 DICDPNCPENGICLPGLAVGFSCECPDGTDPNCSSVVEV-----GPCTPNPC 51
Db 24 DICPNPCENGICLGLADDSFSCCEPGEFAGPNCSSVVEVASDEEKPTSAGPCIPNPC 83
QY 52 HNGGTCEISEAYRGDTFIGYVCKPRGFNGIHCOHNECEVEPCKNGGICT 103
Db 84 HNGGTCEISEAYRGDTFIGYVCKPRGFNGIHCOHNECEAEPCRNNGGICT 135

RESULT 8
US-08-185-432-18
Sequence 18, Application US/08185432
Patent No. 5750652
GENERAL INFORMATION:
APPLICANT: Artavanis-Tsakonas, Spyridon
APPLICANT: Busseau, Isabelle
APPLICANT: Diederich, Robert J.
APPLICANT: Xu, Tian
APPLICANT: Matsuno, Kenji
TITLE OF INVENTION: DELTEX PROTEINS, NUCLEIC ACIDS, AND
TITLE OF INVENTION: ANTIBODIES, AND RELATED METHODS AND COMPOSITIONS
NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
ADDRESSEE: PENNIE & EDMONDS
STREET: 1155 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: U.S.A.
ZIP: 10036-2711
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/185,432
FILING DATE: 21-JAN-1994
CLASSIFICATION: 530

ATTORNEY/AGENT INFORMATION:
NAME: Misrock, S. Leslie
REGISTRATION NUMBER: 18,872
REFERENCE/DOCKET NUMBER: 7326-006
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 790-9090
TELEFAX: (212) 869-8864/9741
TELEX: 66141 PENNIE
INFORMATION FOR SEQ ID NO: 18:
SEQUENCE CHARACTERISTICS:
LENGTH: 2523 amino acids
TYPE: amino acid
TOPOLOGY: unknown
MOLECULE TYPE: protein
US-08-185-432-18
Query Match 43.6%; Score 267.5; DB 1; Length 2523;
Best Local Similarity 37.1%; Pred. No. 3.2e-16;
Matches 49; Conservative 10; Mismatches 38; Indels 35; Gaps 4;
QY 2 DICDPNCPENGICLPGLAVGFSCECPDGTDPNCSSVVEVGPCTPNPCHNGGT----- 56
Db 908 DDCQPNPCHNGGSCSDG--INMFFCNPAGFRGPKCEE--DINECASNPCKNGANCTDCV 963
QY 57 -----CEISEAYRGDTFIG-----YVCKPRGFNGIHCOHNE 90
Db 964 NSYTCTCQPGFSGIHCESTPDCTESSCFNGGTCIDGINTFTCQCPPGFTGSCYCOHDINE 1023
QY 91 CEVEPCKNGGIC 102
Db 1024 CDSKPCLNGGTC 1035

RESULT 9
US-08-899-232-3
Sequence 3, Application US/08899232
Patent No. 6436650
GENERAL INFORMATION:
APPLICANT: Artavanis-Tsakonas, Spyridon
APPLICANT: Qi, Huilin
TITLE OF INVENTION: ACTIVATED FORMS OF NOTCH AND METHODS BASED THEREON
FILE REFERENCE: 7326-046
CURRENT APPLICATION NUMBER: US/08/899,232
CURRENT FILING DATE: 1997-07-23
NUMBER OF SEQ ID NOS: 4
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 3
LENGTH: 2523
TYPE: PRT
ORGANISM: Xenopus sp.
US-08-899-232-3
Query Match 43.6%; Score 267.5; DB 4; Length 2523;
Best Local Similarity 37.1%; Pred. No. 3.2e-16;
Matches 49; Conservative 10; Mismatches 38; Indels 35; Gaps 4;
QY 2 DICDPNCPENGICLPGLAVGFSCECPDGTDPNCSSVVEVGPCTPNPCHNGGT----- 56
Db 908 DDCQPNPCHNGGSCSDG--INMFFCNPAGFRGPKCEE--DINECASNPCKNGANCTDCV 963
QY 57 -----CEISEAYRGDTFIG-----YVCKPRGFNGIHCOHNE 90
Db 964 NSYTCTCQPGFSGIHCESTPDCTESSCFNGGTCIDGINTFTCQCPPGFTGSCYCOHDINE 1023
QY 91 CEVEPCKNGGIC 102
Db 1024 CDSKPCLNGGTC 1035
RESULT 10
US-09-121-457-3
Sequence 3, Application US/09121457
Patent No. 6692919


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; GENERAL INFORMATION:
; APPLICANT: Artavanis-Tsakonas, S.
; APPLICANT: Qi, H.
; APPLICANT: Rand, M.
; TITLE OF INVENTION: ACTIVATED FORMS OF NOTCH AND METHODS BASED THEREON
; FILE REFERENCE: 7326-073
; CURRENT APPLICATION NUMBER: US/09/121,457
; CURRENT FILING DATE: 1998-07-23
; EARLIER APPLICATION NUMBER: 08/899,232
; EARLIER FILING DATE: 1997-07-23
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 3
; LENGTH: 2523
; TYPE: PRT
; ORGANISM: Xenopus sp.
US-09-121-457-3

Query Match          43.6%; Score 267.5; DB 4; Length 2523;
Best Local Similarity 37.1%; Pred. No. 3.2e-16;
Matches 49; Conservative 10; Mismatches 38; Indels 35; Gaps 4;

QY 2 DICDPNCPENGICLPGLAVGSFSCPCPDGFTDPNCSSVVEVGPCPTPNPCHNGGT----- 56
Db 908 DDCQPNPCHNGGSCSDG--INMFFCNCPAGFRGPKCEE--DINECASNPCKNGANCTDCV 963

QY 57 -----CEISEAYRGDTFFIG-----YVCKCPRGFNGIHCQHNINE 90
Db 964 NSYTCTCQPGFSGIHCESNTPDCTESSCFNGGTCTDGINFTCQCPGFTGSYCQHDINE 1023

QY 91 CEVEPCKNKGIC 102
Db 1024 CDSKPCLINGGTC 1035

RESULT 11
US-08-480-229C-24
; Sequence 24, Application US/08480229C
; Patent No. 5874562
; GENERAL INFORMATION:
; APPLICANT: Quertermous, Thomas
; APPLICANT: Hogan, Brigid
; APPLICANT: Snodgrass, H. Ralph
; APPLICANT: Zupancic, Thomas J.
; TITLE OF INVENTION: DEVELOPMENTALLY-REGULATED ENDOTHELIAL
; TITLE OF INVENTION: CELL LOCUS-1
; NUMBER OF SEQUENCES: 29
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds LLP
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: United States
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/480,229C
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Poissant, Brian M.
; REGISTRATION NUMBER: 28,462
; REFERENCE/DOCKET NUMBER: 8907-0026-999
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 790-9090
; TELEFAX: (212) 869-8864/9741
; TELEX: 66141 Pennie
; INFORMATION FOR SEQ ID NO: 24:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 43 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: unknown
; MOLECULE TYPE: peptide
US-08-480-229C-24

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Best Local Similarity 100.0%; Pred. No. 1.2e-17;
Matches 43; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 46 CTPNPCHNGGTCEISEAYRGDTFFIGYVCKCPRGFNGIHCQHNII 88
Db 1 CTPNPCHNGGTCEISEAYRGDTFFIGYVCKCPRGFNGIHCQHNII 43

RESULT 13
US-08-185-432-16
; Sequence 16, Application US/08185432
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; LENGTH: 43 amino acids
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; STRANDEDNESS:
; TOPOLOGY: unknown
; MOLECULE TYPE: peptide
US-08-480-229C-24

Query Match          43.0%; Score 264; DB 2; Length 43;
Best Local Similarity 100.0%; Pred. No. 1.2e-17;
Matches 43; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 46 CTPNPCHNGGTCEISEAYRGDTFFIGYVCKCPRGFNGIHCQHNII 88
Db 1 CTPNPCHNGGTCEISEAYRGDTFFIGYVCKCPRGFNGIHCQHNII 43

RESULT 12
US-08-659-235C-24
; Sequence 24, Application US/08659235C
; Patent No. 5877281
; GENERAL INFORMATION:
; APPLICANT: Quertermous, Thomas
; APPLICANT: Hogan, Brigid
; APPLICANT: Snodgrass, H. Ralph
; APPLICANT: Zupancic, Thomas J.
; TITLE OF INVENTION: DEVELOPMENTALLY-REGULATED ENDOTHELIAL
; TITLE OF INVENTION: CELL LOCUS-1
; NUMBER OF SEQUENCES: 29
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds LLP
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: United States
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/659,235C
; FILING DATE: 05-JUN-1996
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Poissant, Brian M.
; REGISTRATION NUMBER: 28,462
; REFERENCE/DOCKET NUMBER: 8907-0034-999
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 790-9090
; TELEFAX: (212) 869-8864/9741
; TELEX: 66141 Pennie
; INFORMATION FOR SEQ ID NO: 24:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 43 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: unknown
; MOLECULE TYPE: peptide
US-08-659-235C-24

Query Match          43.0%; Score 264; DB 2; Length 43;
Best Local Similarity 100.0%; Pred. No. 1.2e-17;
Matches 43; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 46 CTPNPCHNGGTCEISEAYRGDTFFIGYVCKCPRGFNGIHCQHNII 88
Db 1 CTPNPCHNGGTCEISEAYRGDTFFIGYVCKCPRGFNGIHCQHNII 43

RESULT 13
US-08-185-432-16
; Sequence 16, Application US/08185432
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TELEFAX: 212 8698864/9741
TELEX: 66141 PENNIE
INFORMATION FOR SEQ ID NO: 19:
SEQUENCE CHARACTERISTICS:
LENGTH: 2471 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: unknown
MOLECULE TYPE: peptide
US-08-532-384-19

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Db	913	DDCLANPCQNGGSCMDG--VNTF	SCLCLPGFTGDKCQT--DMNE	CLSEPCKNGGTC----	964
QY	62	AYRGDTFPIGYVCKCP	PFNGIHCOHNINECE	VEPCKNGGIC 102	
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GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: March 26, 2005, 08:04:50 ; Search time 13.6265 Seconds
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2502.733 Million cell updates/sec

Title: US-09-237-981E-31
Perfect score: 614
Sequence: 1 XDICDPNPCENGICLPGLA.....COHNINECEVEPCKNGGICT 103

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 1407402 seqs, 331100923 residues

Total number of hits satisfying chosen parameters: 1407402

Minimum DB seq length: 0
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Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications AA:*
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2: /cgn2_6/ptodata/1/pubpaa/PCT_NEW_PUB.pep.*
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20: /cgn2_6/ptodata/1/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Match	Length	DB ID	Description
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2	267.5	43.6	572	10	US-09-900-449A-7
3	267.5	43.6	1064	14	US-10-173-461-5
4	267.5	43.6	2524	15	US-10-190-115-25
5	267.5	43.6	2524	15	US-10-369-072-25
6	262.5	42.8	1473	15	US-10-190-115-4
7	262.5	42.8	1473	15	US-10-369-072-4
8	262.5	42.8	2203	16	US-10-322-281-726
9	262.5	42.8	2471	17	US-10-765-727-23
10	262.5	42.8	2471	17	US-10-846-989-57
11	262.5	42.8	2471	17	US-10-764-415B-40
12	257.5	41.9	2469	15	US-10-190-115-2
13	257.5	41.9	2469	15	US-10-369-072-2

14	253.5	41.3	2447	15	US-10-190-115-28	Sequence 28, Appl
15	253.5	41.3	2447	15	US-10-369-072-28	Sequence 28, Appl
16	253	41.2	2556	15	US-10-072-012-134	Sequence 134, App
17	252	41.0	2531	15	US-10-190-115-29	Sequence 29, Appl
18	252	41.0	2531	15	US-10-369-072-29	Sequence 29, Appl
19	252	41.0	2531	15	US-10-072-012-470	Sequence 470, App
20	252	41.0	2531	15	US-10-072-012-471	Sequence 471, App
21	251.5	41.0	566	10	US-09-900-449A-6	Sequence 6, Appli
22	251.5	41.0	639	10	US-09-900-449A-4	Sequence 4, Appli
23	247.5	40.3	601	10	US-09-900-449A-5	Sequence 5, Appli
24	247.5	40.3	2503	16	US-10-322-281-723	Sequence 723, App
25	246	40.1	2444	9	US-09-944-849-2	Sequence 2, Appli
26	246	40.1	2444	15	US-10-072-012-469	Sequence 469, App
27	246	40.1	2555	15	US-10-072-012-468	Sequence 468, App
28	246	40.1	2556	15	US-10-294-006-12	Sequence 12, Appl
29	246	40.1	2556	15	US-10-072-012-467	Sequence 467, App
30	246	40.1	2556	17	US-10-765-727-22	Sequence 22, Appl
31	246	40.1	2556	17	US-10-846-989-56	Sequence 56, Appl
32	246	40.1	2556	17	US-10-764-415B-39	Sequence 39, Appl
33	245.5	40.0	4544	15	US-10-085-198-22	Sequence 22, Appl
34	245	39.9	589	16	US-10-731-741-2	Sequence 2, Appli
35	245	39.9	589	16	US-10-731-741-5	Sequence 5, Appli
36	243.5	39.7	2471	15	US-10-190-115-27	Sequence 27, Appl
37	243.5	39.7	2471	15	US-10-369-072-27	Sequence 27, Appl
38	242	39.4	2317	15	US-10-190-115-26	Sequence 26, Appl
39	242	39.4	2317	15	US-10-369-072-26	Sequence 26, Appl
40	242	39.4	2321	14	US-10-356-625-2	Sequence 2, Appli
41	242	39.4	2321	16	US-10-408-765A-1634	Sequence 1634, Ap
42	241.5	39.3	4961	14	US-10-114-153-64	Sequence 64, Appl
43	239.5	39.0	1404	9	US-09-944-849-8	Sequence 8, Appli
44	239	38.9	585	16	US-10-644-548-5	Sequence 5, Appli
45	238.5	38.8	3568	15	US-10-028-248A-8	Sequence 8, Appli

ALIGNMENTS

RESULT 1

US-10-177-293-122
; Sequence 122, Application US/10177293
; Publication No. US20030124128A1
; GENERAL INFORMATION:
; APPLICANT: Lillie, James
; APPLICANT: Glatt, Karen
; APPLICANT: Zhao, Xumei
; APPLICANT: Gannavarpu, Manjula
; APPLICANT: Kamatkar, Shubhangi
; APPLICANT: Mertens, Maureen
; APPLICANT: Myer, Vic
; APPLICANT: Wang, Youzhen
; APPLICANT: Xu, Yongyao
; APPLICANT: Hoersch, Sebastian
; APPLICANT: Monahan, John
; APPLICANT: Meyers, Rachel E.
; APPLICANT: Bast Jr., Robert C.
; APPLICANT: Hortobagyi, Gabriel N.
; APPLICANT: Pusztai, Lajos
; APPLICANT: Meric, Funda
; APPLICANT: Sahin, Aysegul
; APPLICANT: Mills, Gordon B.
; TITLE OF INVENTION: COMPOSITIONS, KITS, AND METHODS FOR IDENTIFICATION, ASSESSMENT,
; PREVENTION, AND THERAPY OF BREAST CANCER
; FILE REFERENCE: MRI-038
; CURRENT APPLICATION NUMBER: US/10/177,293
; CURRENT FILING DATE: 2002-06-21
; PRIOR APPLICATION NUMBER: US 60/299,887
; PRIOR FILING DATE: 2001-06-21
; PRIOR APPLICATION NUMBER: US 60/301,572
; PRIOR FILING DATE: 2001-06-27
; PRIOR APPLICATION NUMBER: US 60/306,501
; PRIOR FILING DATE: 2001-07-18
; PRIOR APPLICATION NUMBER: US 60/325,002
; PRIOR FILING DATE: 2001-09-25

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; PRIOR APPLICATION NUMBER: US 60/362,585
; PRIOR FILING DATE: 2002-03-05
; PRIOR APPLICATION NUMBER: US 60/xxx,xxx
; PRIOR FILING DATE: 2002-05-14
; NUMBER OF SEQ ID NOS: 506
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 122
; LENGTH: 480
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-177-293-122

Query Match          96.3%; Score 591; DB 14; Length 480;
Best Local Similarity 90.2%; Pred. No. 7.1e-46;
Matches 101; Conservative 0; Mismatches 1; Indels 10; Gaps 1;

QY      2 DICDPNCPENGICLPGLAVGSFSCPCPDGFTDPNCSSVVEV-----GPCTPNPC 51
         |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db      24 DICDPNCPENGICLPGLADGSFSCPCPDGFTDPNCSSVVEVASDEEPTSAAGCTPNPC 83
         |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||

QY      52 HNGGTCEISEAYRGDTFIGYVCKPRGFNGIHCOHNINECEVEPCCKNGGICT 103
         |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db      84 HNGGTCEISEAYRGDTFIGYVCKPRGFNGIHCOHNINECEVEPCCKNGGICT 135
         |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||

RESULT 2
US-09-900-449A-7
; Sequence 7, Application US/09900449A
; Publication No. US20030040616A1
; GENERAL INFORMATION:
; APPLICANT: ZHONG, Jenny et al.
; TITLE OF INVENTION: ISOLATED HUMAN SECRETED PROTEINS,
; TITLE OF INVENTION: NUCLEIC ACID MOLECULES ENCODING HUMAN SECRETED PROTEINS, AND
; TITLE OF INVENTION: NUCLEIC ACID MOLECULES ENCODING HUMAN SECRETED PROTEINS, AND
; TITLE OF INVENTION: USES THEREOF
; FILE REFERENCE: CL001271
; CURRENT APPLICATION NUMBER: US/09/900,449A
; CURRENT FILING DATE: 2001-07-09
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 7
; LENGTH: 572
; TYPE: PRT
; ORGANISM: Strongylocentrotus purpuratus
US-09-900-449A-7

Query Match          43.6%; Score 267.5; DB 10; Length 572;
Best Local Similarity 46.5%; Pred. No. 2.6e-16;
Matches 47; Conservative 10; Mismatches 33; Indels 11; Gaps 3;

QY      2 DICDPNCPENGICLPGLAVGSFSCPCPDGFTDPNCSSVVEVGPCTPNPCHNGGTCEISE 61
         |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db      3 DDCDPNLCQNGAACTD--LVNDYACTCPPGFTGRNCE--IDIDECASDPCQNGGACV--- 55
         |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||

QY      62 AYRGDTFIGYVCKPRGFNGIHCOHNINECEVEPCCKNGGIC 102
         |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db      56 ----DGVNGYVCNCPVPGFDGDECENNINECASSPCLNGGIC 92
         |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||

RESULT 3
US-10-173-461-5
; Sequence 5, Application US/10173461
; Publication No. US20030138795A1
; GENERAL INFORMATION:
; APPLICANT: Bristol-Myers Squibb Company
; TITLE OF INVENTION: POLYNUCLEOTIDE ENCODING A NOVEL HUMAN GROWTH FACTOR WITH HOMIOLOGY
; TITLE OF INVENTION: EPIDERMAL GROWTH FACTOR, BGS-8, EXPRESSED HIGHLY IN IMMUNE TISSU
; FILE REFERENCE: D0166 NP
; CURRENT APPLICATION NUMBER: US/10/173,461
; CURRENT FILING DATE: 2002-06-14
; PRIOR APPLICATION NUMBER: US 60/298,340
; PRIOR FILING DATE: 2001-06-14
; NUMBER OF SEQ ID NOS: 69
; SOFTWARE: PatentIn version 3.0

; SEQ ID NO 5
; LENGTH: 1064
; TYPE: PRT
; ORGANISM: Strongylocentrotus purpuratus
US-10-173-461-5

Query Match          43.6%; Score 267.5; DB 14; Length 1064;
Best Local Similarity 46.5%; Pred. No. 4.7e-16;
Matches 47; Conservative 10; Mismatches 33; Indels 11; Gaps 3;

QY      2 DICDPNCPENGICLPGLAVGSFSCPCPDGFTDPNCSSVVEVGPCTPNPCHNGGTCEISE 61
         |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db      178 DDCDPNLCQNGAACTD--LVNDYACTCPPGFTGRNCE--IDIDECASDPCQNGGACV--- 230
         |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||

QY      62 AYRGDTFIGYVCKPRGFNGIHCOHNINECEVEPCCKNGGIC 102
         |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db      231 ----DGVNGYVCNCPVPGFDGDECENNINECASSPCLNGGIC 267
         |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||

RESULT 4
US-10-190-115-25
; Sequence 25, Application US/10190115
; Publication No. US20030207394A1
; GENERAL INFORMATION:
; APPLICANT: Alsobrook, John P. II
; APPLICANT: Boldog, Ferenc L.
; APPLICANT: Burgess, Catherine E.
; APPLICANT: Casman, Stacie J.
; APPLICANT: Grosse, William M.
; APPLICANT: Gusev, Vladimir Y.
; APPLICANT: Ji, Weizhen
; APPLICANT: Lepley, Denise M.
; APPLICANT: Liu, Xiaohong
; APPLICANT: Mezick, Amanda J.
; APPLICANT: Padigaru, Muralidhara
; APPLICANT: Patturajan, Meera
; APPLICANT: Rastelli, Luca
; APPLICANT: Shen, Lei
; APPLICANT: Shenoy, Suresh G.
; APPLICANT: Shimkets, Richard A.
; APPLICANT: Spaderna, Steven K.
; APPLICANT: Spytek, Kimberly A.
; APPLICANT: Szekeres, Edward S. Jr.
; APPLICANT: Taupier, Raymond J. Jr.
; APPLICANT: Tchernev, Velizar T.
; APPLICANT: Zerhusen, Bryan D.
; APPLICANT: Voss, Edward Z.
; TITLE OF INVENTION: NOVEL PROTEINS AND NUCLEIC ACIDS ENCODING SAME
; FILE REFERENCE: 21402-050 CIP
; CURRENT APPLICATION NUMBER: US/10/190,115
; CURRENT FILING DATE: 2003-02-10
; PRIOR APPLICATION NUMBER: 60/303,168
; PRIOR FILING DATE: 2001-07-05
; PRIOR APPLICATION NUMBER: 60/368,996
; PRIOR FILING DATE: 2002-04-01
; PRIOR APPLICATION NUMBER: 60/386,816
; PRIOR FILING DATE: 2002-06-07
; PRIOR APPLICATION NUMBER: 60/215,854
; PRIOR FILING DATE: 2000-07-03
; PRIOR APPLICATION NUMBER: 60/215,856
; PRIOR FILING DATE: 2000-07-03
; PRIOR APPLICATION NUMBER: 60/215,902
; PRIOR FILING DATE: 2000-07-03
; PRIOR APPLICATION NUMBER: 60/216,585,
; PRIOR FILING DATE: 2000-07-07
; PRIOR APPLICATION NUMBER: 60/216,586
; PRIOR FILING DATE: 2001-07-07
; PRIOR APPLICATION NUMBER: 60/216,722
; PRIOR FILING DATE: 2000-07-07
; PRIOR APPLICATION NUMBER: 60/218,622
; PRIOR FILING DATE: 2000-07-17
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 136
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; PRIOR APPLICATION NUMBER: 60/218,622
; PRIOR FILING DATE: 2000-07-17
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 136
; SOFTWARE: CuraSeqList version 0.1
; SEQ ID NO 4
; LENGTH: 1473
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-190-115-4

Query Match          42.8%; Score 262.5; DB 15; Length 1473;
Best Local Similarity 46.5%; Pred. No. 1.8e-15;
Matches 47; Conservative 10; Mismatches 33; Indels 11; Gaps 3;

QY 2 DCDPNPCENGICLPGLAVGFSFCECPDGTDPNCSSVVEVGPTPNPCHNGGTCEISE 61
   |||||:|||||:|:|||||:|||||:|:|:|:|||||:|:|:|:|||||
Db 913 DDCLANPCQNGGSCMDG--VNTFSCLCPLPGFTGDKCQT--DMNECLSEPCKNGGTC---- 964

QY 62 AYRGDTFIGYVCKPRGFNGIHCQHNNINECEVEPCKNKGIC 102
   |||||:|||||:|:|||||:|||||:|:|:|:|||||:|:|:|:|||||
Db 965 ---SDYVNSYTKCQAGFDGVHCENNINECTESSCFNGGTC 1002

RESULT 7
US-10-369-072-4
; Sequence 4, Application US/10369072
; Publication No. US20040014081A1
; GENERAL INFORMATION:
; APPLICANT: Alsobrook II, John P
; APPLICANT: Spaderna, Stephen K
; APPLICANT: Tchernev, Velizar
; APPLICANT: Liu, Xiaohong
; APPLICANT: Shenoy, Suresh
; APPLICANT: Spytek, Kimberly
; APPLICANT: Zerhusen, Bryan
; APPLICANT: Patturajan, Meera
; APPLICANT: Taupier, Raymond T
; APPLICANT: Rastelli, Luca
; APPLICANT: Grosse, William M
; APPLICANT: Szerkeres, Edward S
; APPLICANT: Lepley, Denise M
; APPLICANT: Shen, Lei
; APPLICANT: Burgess, Catherine E
; APPLICANT: Shimkets, Richard
; APPLICANT: Padigaru, Muralidhara
; TITLE OF INVENTION: NO. US20040014081A1el Proteins and Nucleic Acids Encoding Same
; FILE REFERENCE: 21402-050 CON2
; CURRENT APPLICATION NUMBER: US/10/369,072
; CURRENT FILING DATE: 2003-02-18
; PRIOR APPLICATION NUMBER: 10/174,372
; PRIOR FILING DATE: 2002-06-17
; PRIOR APPLICATION NUMBER: 09/898,994
; PRIOR FILING DATE: 2001-07-03
; PRIOR APPLICATION NUMBER: 60/215,854
; PRIOR FILING DATE: 2000-07-03
; PRIOR APPLICATION NUMBER: 60/215,856
; PRIOR FILING DATE: 2000-07-03
; PRIOR APPLICATION NUMBER: 60/215,902
; PRIOR FILING DATE: 2000-07-03
; PRIOR APPLICATION NUMBER: 60/216,585
; PRIOR FILING DATE: 2000-07-07
; PRIOR APPLICATION NUMBER: 60/216,586
; PRIOR FILING DATE: 2000-07-07
; PRIOR APPLICATION NUMBER: 60/216,722
; PRIOR FILING DATE: 2000-07-07
; PRIOR APPLICATION NUMBER: 60/218,622
; PRIOR FILING DATE: 2000-07-17
; PRIOR APPLICATION NUMBER: 60/218,992
; PRIOR FILING DATE: 2000-07-17
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 100
; SOFTWARE: PatentIn Ver. 2.1
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; SEQ ID NO 4
; LENGTH: 1473
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-369-072-4

Query Match          42.8%; Score 262.5; DB 15; Length 1473;
Best Local Similarity 46.5%; Pred. No. 1.8e-15;
Matches 47; Conservative 10; Mismatches 33; Indels 11; Gaps 3;

QY 2 DCDPNPCENGICLPGLAVGFSFCECPDGTDPNCSSVVEVGPTPNPCHNGGTCEISE 61
   |||||:|||||:|:|||||:|||||:|:|:|:|||||:|:|:|:|||||
Db 913 DDCLANPCQNGGSCMDG--VNTFSCLCPLPGFTGDKCQT--DMNECLSEPCKNGGTC---- 964

QY 62 AYRGDTFIGYVCKPRGFNGIHCQHNNINECEVEPCKNKGIC 102
   |||||:|||||:|:|||||:|||||:|:|:|:|||||:|:~|:|||||
Db 965 ---SDYVNSYTKCQAGFDGVHCENNINECTESSCFNGGTC 1002

RESULT 8
US-10-322-281-726
; Sequence 726, Application US/10322281
; Publication No. US20040126762A1
; GENERAL INFORMATION:
; APPLICANT: David W. Morris
; APPLICANT: Marc S. Malandro
; TITLE OF INVENTION: Novel Compositions and Methods in Cancer
; FILE REFERENCE: 529452001000
; CURRENT APPLICATION NUMBER: US/10/322,281
; CURRENT FILING DATE: 2002-12-17
; NUMBER OF SEQ ID NOS: 866
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 726
; LENGTH: 2203
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-322-281-726

Query Match          42.8%; Score 262.5; DB 16; Length 2203;
Best Local Similarity 46.5%; Pred. No. 2.7e-15;
Matches 47; Conservative 10; Mismatches 33; Indels 11; Gaps 3;

QY 2 DCDPNPCENGICLPGLAVGFSFCECPDGTDPNCSSVVEVGPTPNPCHNGGTCEISE 61
   |||||:|||||:|:|||||:|||||:|:|:|:|||||:|:~|:|||||
Db 657 DDCLANPCQNGGSCMDG--VNTFSCLCPLPGFTGDKCQT--DMNECLSEPCKNGGTC---- 708

QY 62 AYRGDTFIGYVCKPRGFNGIHCQHNNINECEVEPCKNKGIC 102
   |||||:|||||:|:|||||:|||||:|:|:|:|||||:|:~|:|||||
Db 709 ---SDYVNSYTKCQAGFDGVHCENNINECTESSCFNGGTC 746

RESULT 9
US-10-765-727-23
; Sequence 23, Application US/10765727
; Publication No. US20050025751A1
; GENERAL INFORMATION:
; APPLICANT: BODMER, MARK WILLIAM
; APPLICANT: BRIEND, EMMANUEL CYRILLE PASCAL
; APPLICANT: CHAMPION, BRIAN ROBERT
; APPLICANT: YOUNG, LESLEY LYNN
; TITLE OF INVENTION: MODULATORS OF NOTCH SIGNALLING FOR USE IN IMMUNOTHERAPY
; FILE REFERENCE: 674525-2010
; CURRENT APPLICATION NUMBER: US/10/765,727
; CURRENT FILING DATE: 2004-01-23
; PRIOR APPLICATION NUMBER: PCT/GB02/03426
; PRIOR FILING DATE: 2002-07-25
; PRIOR APPLICATION NUMBER: GB 0118153.6
; PRIOR FILING DATE: 2001-07-25
; PRIOR APPLICATION NUMBER: GB 0207930.9
; PRIOR FILING DATE: 2002-04-05
; PRIOR APPLICATION NUMBER: GB 0212282.8
; PRIOR FILING DATE: 2002-05-28
; PRIOR APPLICATION NUMBER: GB 0212283.6
```



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; PRIOR FILING DATE: 2000-07-03
; PRIOR APPLICATION NUMBER: 60/215,902
; PRIOR FILING DATE: 2000-07-03
; PRIOR APPLICATION NUMBER: 60/216,585,
; PRIOR FILING DATE: 2000-07-07
; PRIOR APPLICATION NUMBER: 60/216,586
; PRIOR FILING DATE: 2001-07-07
; PRIOR APPLICATION NUMBER: 60/216,722
; PRIOR FILING DATE: 2000-07-07
; PRIOR APPLICATION NUMBER: 60/218,622
; PRIOR FILING DATE: 2000-07-17
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 136
; SOFTWARE: CuraseqList version 0.1
; SEQ ID NO 2
; LENGTH: 2469
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-190-115-2

Query Match          41.9%; Score 257.5; DB 15; Length 2469;
Best Local Similarity 45.5%; Pred. No. 8.5e-15;
Matches 46; Conservative 11; Mismatches 33; Indels 11; Gaps 3;

QY      2 DCDPNPCENGIGICLPGLAVGSFSCPCPDGFTDPCSSVVEVGPCTPNPCHNGGTCEISE 61
      |||:||||:|:||||:|||||:|:|:|:|||||:|:|:|:|||||
Db      912 DDCLASPCQNGGSCMDG--VNTFSCLCPLPGFTGDKCQT--DMNECLSEPCCKNGGTC 963

QY      62 AYRGDTFIGYVCKPRGFNGIHQHNINECEVEPCCKNGGIC 102
      |||:||||:|:||||:|||||:|:|:|:|||||:|:|:|:|||||
Db      912 DDCLASPCQNGGSCMDG--VNTFSCLCPLPGFTGDKCQT--DMNECLSEPCCKNGGTC 963

QY      62 AYRGDTFIGYVCKPRGFNGIHQHNINECEVEPCCKNGGIC 102
      |||:||||:|:||||:|||||:|:|:|:|||||:|:|:|:|||||
Db      964 ---SDYVNSYTKCQAGFDGVHCENNINECTESSCFNGGTC 1001

RESULT 13
US-10-369-072-2
; Sequence 2, Application US/10369072
; Publication No. US20040014081A1
; GENERAL INFORMATION:
; APPLICANT: Alsobrook II, John P
; APPLICANT: Spaderna, Stephen K
; APPLICANT: Tchernev, Velizar
; APPLICANT: Liu, Xiaohong
; APPLICANT: Shenoy, Suresh
; APPLICANT: Spytek, Kimberly
; APPLICANT: Zerhusen, Bryan
; APPLICANT: Patturajan, Meera
; APPLICANT: Taupier, Raymond T
; APPLICANT: Rastelli, Luca
; APPLICANT: Szerkeres, Edward S
; APPLICANT: Lepley, Denise M
; APPLICANT: Shen, Lei
; APPLICANT: Burgess, Catherine E
; APPLICANT: Shimkets, Richard
; APPLICANT: Padigar, Muralidhara
; TITLE OF INVENTION: No. US20040014081A1el Proteins and Nucleic Acids Encoding Same
; FILE REFERENCE: 21402-050 CON2
; CURRENT APPLICATION NUMBER: US/10/369,072
; CURRENT FILING DATE: 2003-02-18
; PRIOR APPLICATION NUMBER: 10/174,372
; PRIOR FILING DATE: 2002-06-17
; PRIOR APPLICATION NUMBER: 09/898,994
; PRIOR FILING DATE: 2001-07-03
; PRIOR APPLICATION NUMBER: 60/215,854
; PRIOR FILING DATE: 2000-07-03
; PRIOR APPLICATION NUMBER: 60/215,856
; PRIOR FILING DATE: 2000-07-03
; PRIOR APPLICATION NUMBER: 60/215,902
; PRIOR FILING DATE: 2000-07-03
; PRIOR APPLICATION NUMBER: 60/216,585
; PRIOR FILING DATE: 2000-07-07
; PRIOR APPLICATION NUMBER: 60/216,586
; PRIOR FILING DATE: 2000-07-07
```

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; PRIOR APPLICATION NUMBER: 60/216,722
; PRIOR FILING DATE: 2000-07-07
; PRIOR APPLICATION NUMBER: 60/218,622
; PRIOR FILING DATE: 2000-07-17
; PRIOR APPLICATION NUMBER: 60/218,992
; PRIOR FILING DATE: 2000-07-17
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 100
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 2469
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-369-072-2

Query Match          41.9%; Score 257.5; DB 15; Length 2469;
Best Local Similarity 45.5%; Pred. No. 8.5e-15;
Matches 46; Conservative 11; Mismatches 33; Indels 11; Gaps 3;

QY      2 DCDPNPCENGIGICLPGLAVGSFSCPCPDGFTDPCSSVVEVGPCTPNPCHNGGTCEISE 61
      |||:||||:|:||||:|||||:|:|:|:|||||:|:|:|:|||||
Db      912 DDCLASPCQNGGSCMDG--VNTFSCLCPLPGFTGDKCQT--DMNECLSEPCCKNGGTC 963

QY      62 AYRGDTFIGYVCKPRGFNGIHQHNINECEVEPCCKNGGIC 102
      |||:||||:|:||||:|||||:|:|:|:|||||:|:~|:|||||
Db      964 ---SDYVNSYTKCQAGFDGVHCENNINECTESSCFNGGTC 1001

RESULT 14
US-10-190-115-28
; Sequence 28, Application US/10190115
; Publication No. US20030207394A1
; GENERAL INFORMATION:
; APPLICANT: Alsobrook, John P. II
; APPLICANT: Boldog, Ferenc L.
; APPLICANT: Burgess, Catherine E.
; APPLICANT: Casman, Stacie J.
; APPLICANT: Grosse, William M.
; APPLICANT: Gusev, Vladimir Y.
; APPLICANT: Ji, Weizhen
; APPLICANT: Lepley, Denise M.
; APPLICANT: Liu, Xiaohong
; APPLICANT: Mezick, Amanda J.
; APPLICANT: Padigar, Muralidhara
; APPLICANT: Patturajan, Meera
; APPLICANT: Rastelli, Luca
; APPLICANT: Shen, Lei
; APPLICANT: Shenoy, Suresh G.
; APPLICANT: Shimkets, Richard A.
; APPLICANT: Spaderna, Steven K.
; APPLICANT: Spytek, Kimberly A.
; APPLICANT: Szerkeres, Edward S. Jr.
; APPLICANT: Taupier, Raymond J. Jr.
; APPLICANT: Tchernev, Velizar T.
; APPLICANT: Zerhusen, Bryan D.
; APPLICANT: Voss, Edward Z.
; TITLE OF INVENTION: NOVEL PROTEINS AND NUCLEIC ACIDS ENCODING SAME
; FILE REFERENCE: 21402-050 CIP
; CURRENT APPLICATION NUMBER: US/10/190,115
; CURRENT FILING DATE: 2003-02-10
; PRIOR APPLICATION NUMBER: 60/303,168
; PRIOR FILING DATE: 2001-07-05
; PRIOR APPLICATION NUMBER: 60/368,996
; PRIOR FILING DATE: 2002-04-01
; PRIOR APPLICATION NUMBER: 60/386,816
; PRIOR FILING DATE: 2002-06-07
; PRIOR APPLICATION NUMBER: 60/215,854
; PRIOR FILING DATE: 2000-07-03
; PRIOR APPLICATION NUMBER: 60/215,856
; PRIOR FILING DATE: 2000-07-03
; PRIOR APPLICATION NUMBER: 60/215,902
; PRIOR FILING DATE: 2000-07-03
; PRIOR APPLICATION NUMBER: 60/216,585,
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